History
773rd Radar Squadron (SAGE)
Montauk Air Force Station, New York
January 1959-September 1970

microfilm roll K0605
Air Force Historical Research Center
Maxwell AFB, Alabama

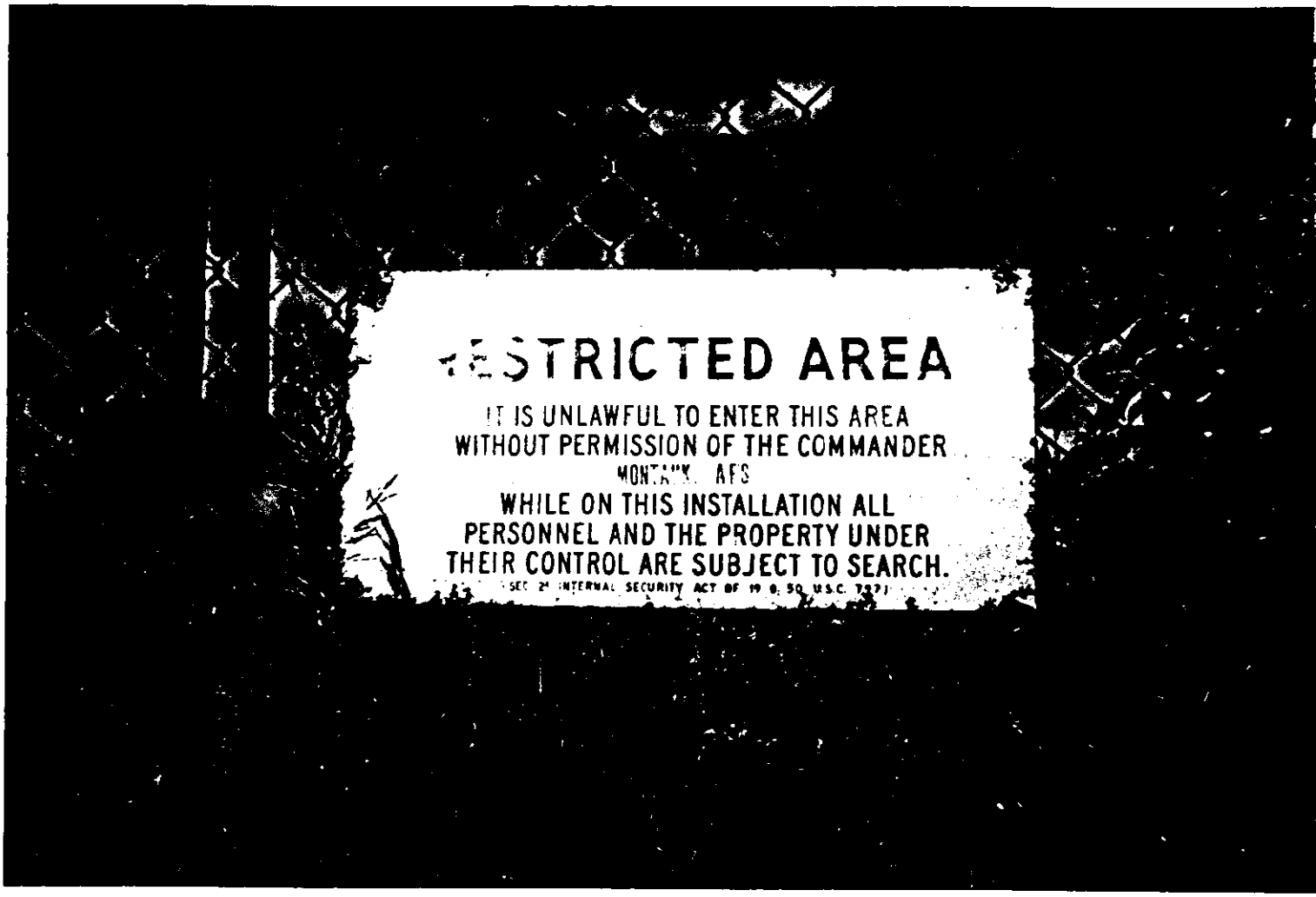
Montauk AFS was an Air Defense Command radar site located on what is today Camp Hero State Park.

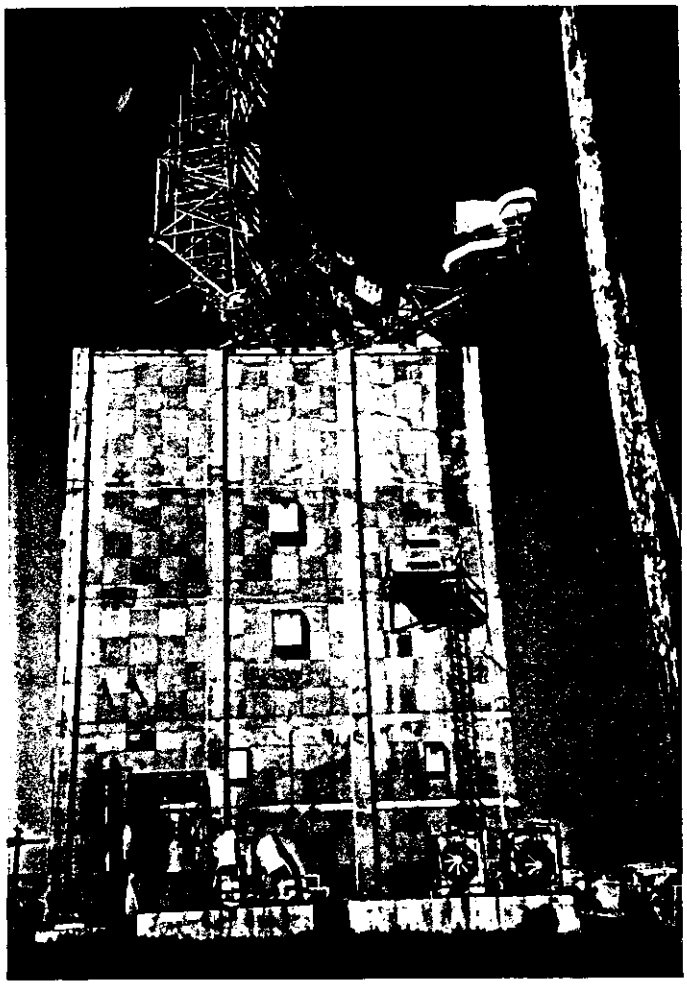
Camp Hero was built during World War II as an Army Coastal Artillery installation. There may have been a Signal Corps air defense radar there during the war. And there may have been a post-war air defense radar at Camp Hero as early as 1948, with a detachment reporting to an aircraft control and warning group at Roslyn AFS.

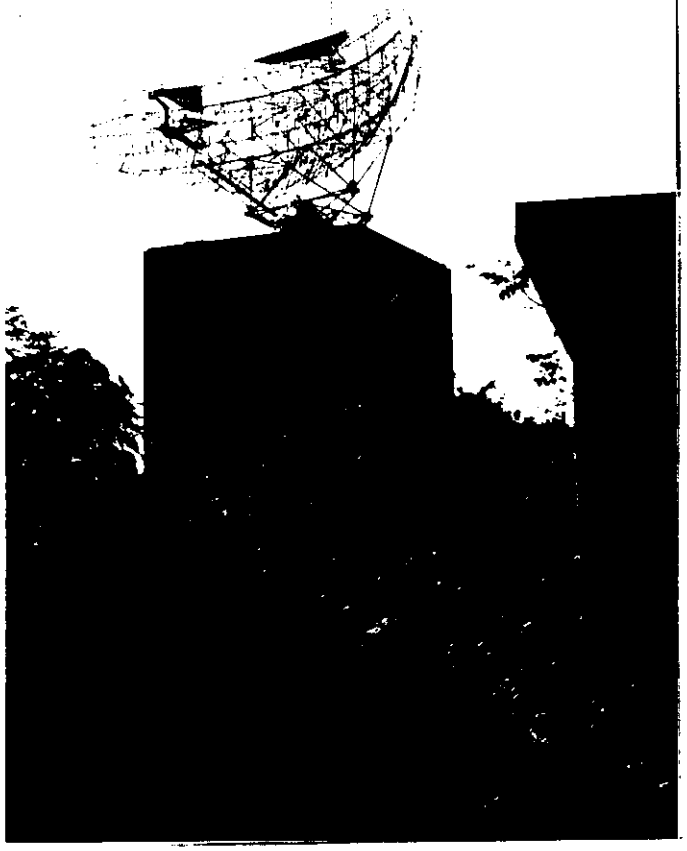
The base operating unit at Montauk AFS was the 773rd Aircraft Control and Warning Squadron, established in January 1951. It changed designations several times becoming the 773rd Radar Squadron (SAGE) in 1959, and the 773rd Radar Squadron in April 1974. The squadron was disestablished and Montauk AFS closed in March 1981.

These official histories are preceded by several pages of photographs taken in August 1992.

J. McCusker
New York, August 1994

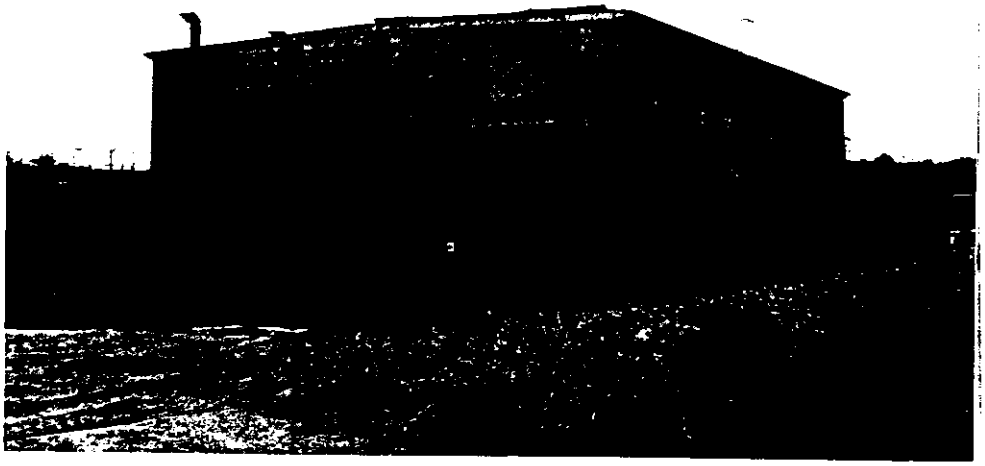

RESTRICTED AREA
IT IS UNLAWFUL TO ENTER THIS AREA
WITHOUT PERMISSION OF THE COMMANDER
MONTAUK AFS
WHILE ON THIS INSTALLATION ALL
PERSONNEL AND THE PROPERTY UNDER
THEIR CONTROL ARE SUBJECT TO SEARCH.
SEC 21 INTERNAL SECURITY ACT OF 1950 50 U.S.C. 797

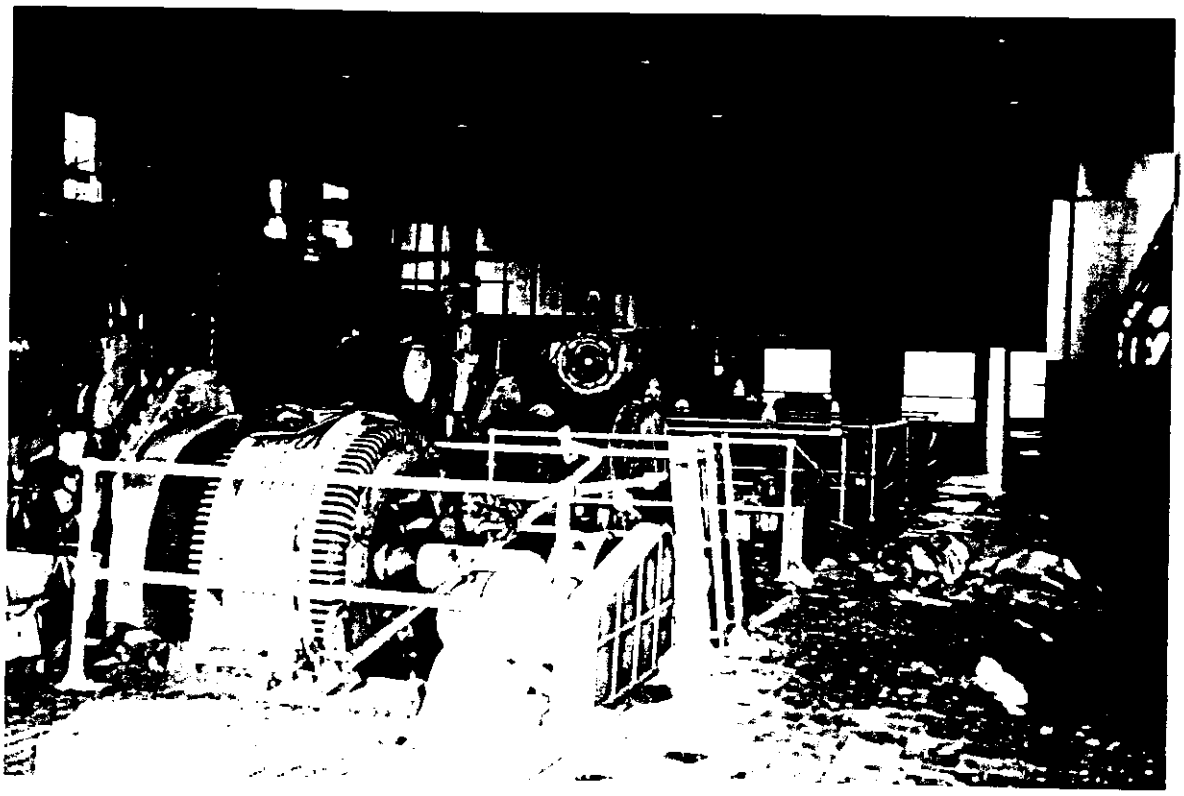




Ground was broken for the AN/FPS-35 tower in the first quarter of 1959 under an Army Corps of Engineers contract. The tower is about 80 feet high. The huge and very heavy antenna that rests on top is so finely balanced that in 1992, eleven years after it last rotated under power, it often turned in the breeze.

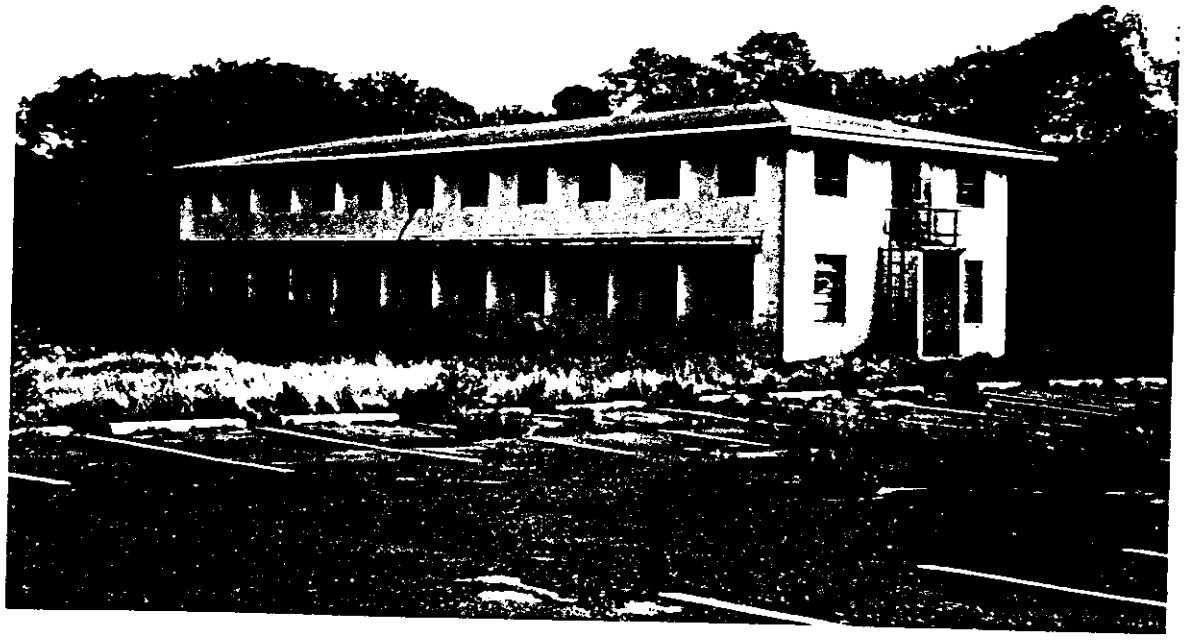
This was the second AN/FPS-35 installation in the Air Defense Command (the first was in Thomasville, Alabama). Although the tower was completed by late 1959 or early 1960, it was not until "the 14th of May, 1961, at 1418 local, (that) the AN/FPS-35 Frequency Diversity Radar was phased into the SAGE environment."
(photos: J. McCusker 1992)



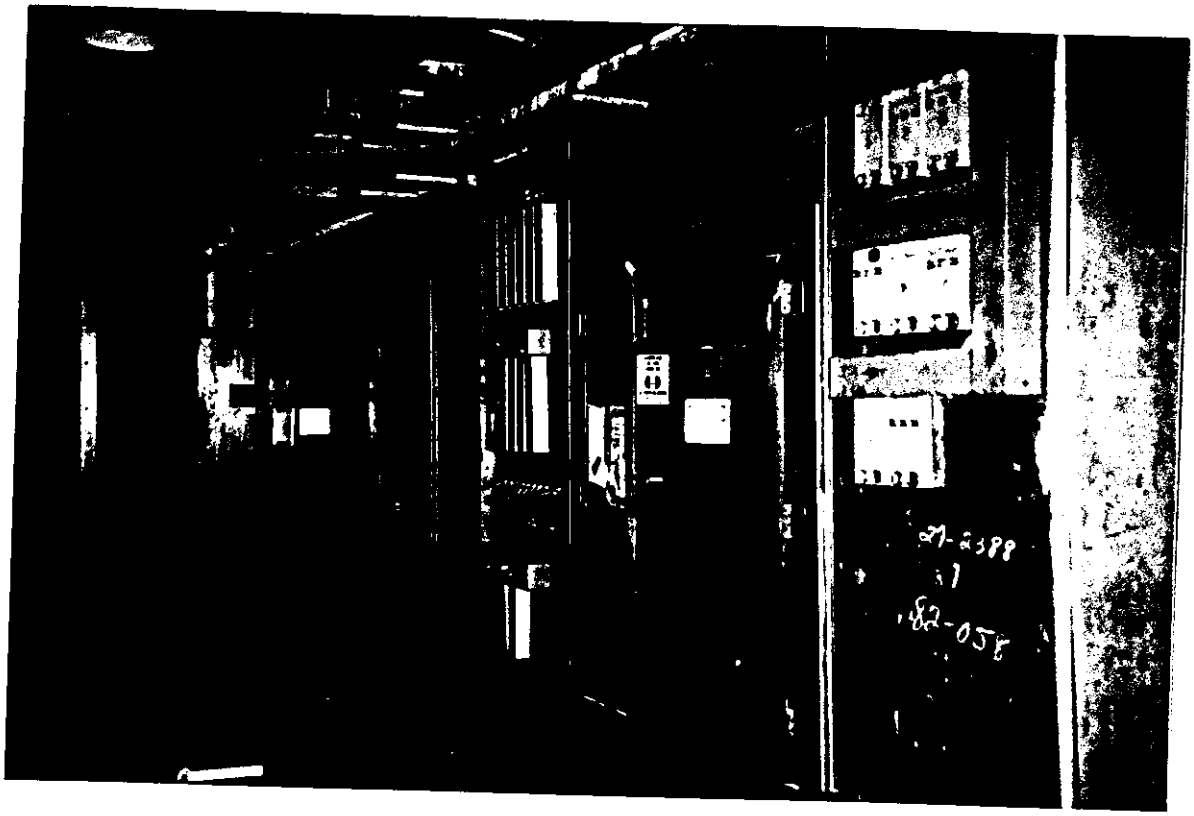


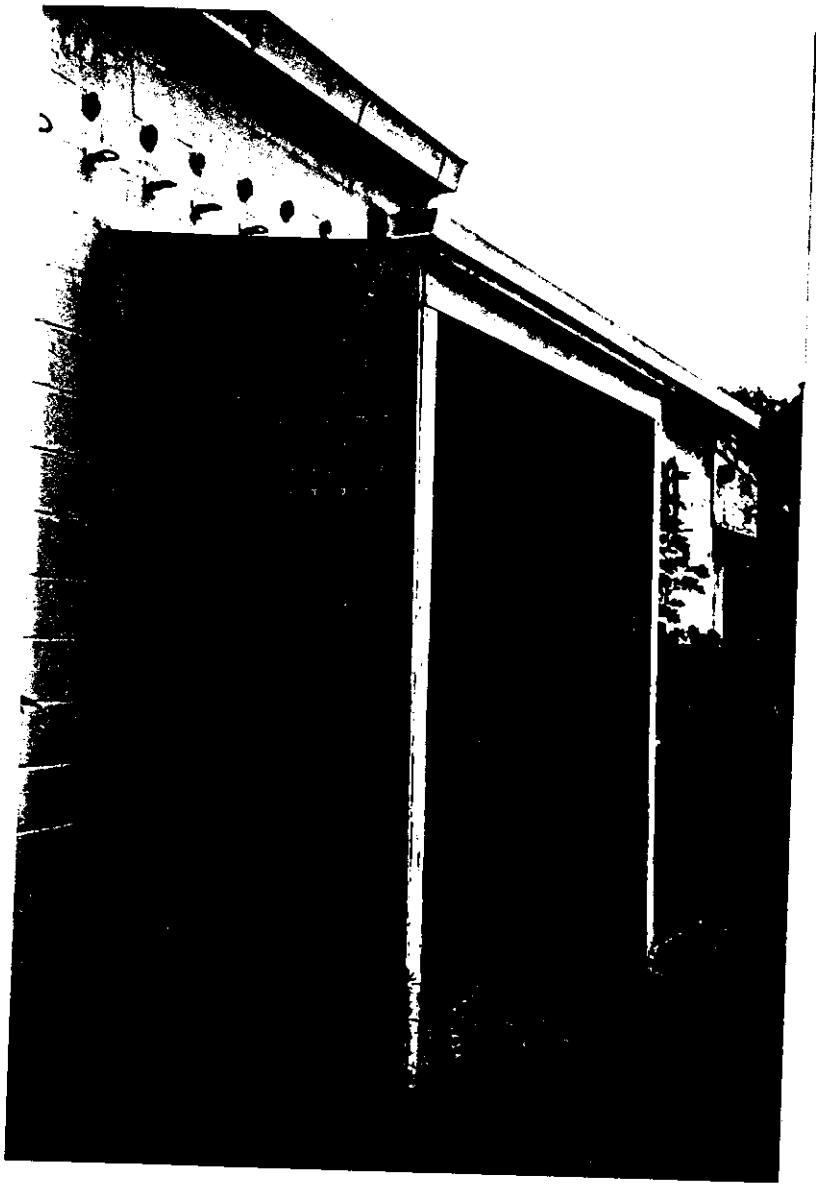
(Top) The power plant was built at the same time as the nearby AN/FPS-35 tower, also under an Army Corps of Engineers contract.
(Bottom) It had four 1000 KW generators and was intended to power the entire base "and eliminate the need for commercial power which had proven unreliable." The last entry on a power plant status board is dated February 2, 1981. (Photo: J. McCusker, 1992)

Two views from the top of the AN/FPS-35 tower.
(Top) The stations's admin area. Evidently, Montauk AFS was initially constructed to resemble a village when seen from the air. (Bottom) The building in the center is an operations area. The low building just beyond it contained the squadron commander's office. A corner of the single tennis court can be seen right behind it. The structures in the foreground and on the top right supported radar antennas and the "golfball" radomes that covered them.
(photo: J. McCusker, August 1992)

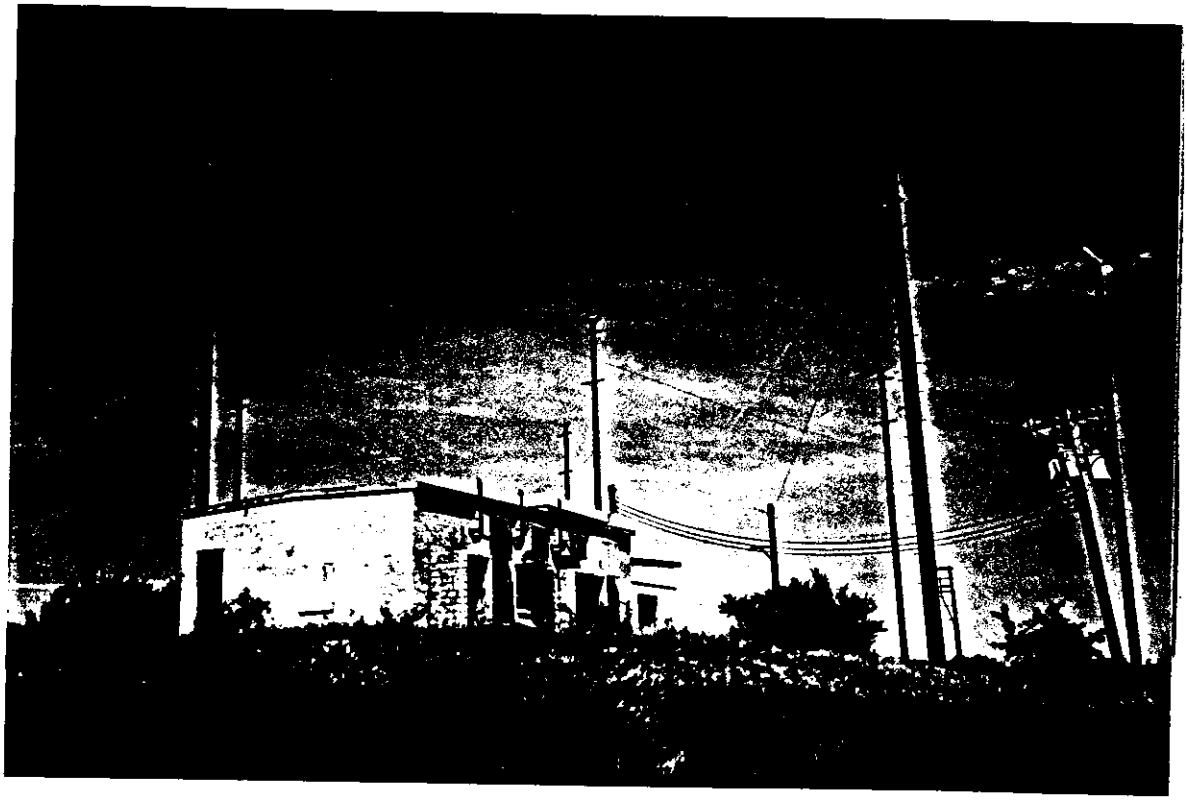


(Top) The small base exchange was located in the admin area. The airman's dormitory is in the left background.
(Bottom) Airman's dormitory. The mess hall was just to the left.
(Photos: J. McCusker, 1992)





(Top) Interior, AN/FPS-35 tower. (Bottom) The commissary--grocery store --opened for business on October 15, 1963. It was located in a former transmitter building, up a hill just inside the main gate.
(Photo: J. McCusker, 1992)



The GATR site, located on high ground north of Third House and south of Montauk Airport. GATR is an acronym for ground/air transmit/receive and is spoken as gator. The radio transmitters and receivers used by Montauk AFS intercept officers to converse with fighter-interceptor pilots were located here, connected by dedicated telephone lines. The Montauk AFS GATR continued in use until 1982, probably by controllers at the NORAD center at Hancock Field in Syracuse, which closed late that year.

This site is now part of Montauk County Park.
(photo: J. McCusker, 1992)

RCS: AU-D5

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HISTORICAL RECORD

of the

[redacted]DRON (SAGE)

for the period ending

[redacted] - 31 March 1959

AIR DEFENSE COMMAND

Section I. REQUIRED DATA

1. UNIT AND LOCATION
773D Radar Squadron (SAGE)Montauk AFS
Montauk, L. I., New York

2. NAME AND GRADE OF COMMANDER
DANIEL WOLF, LT COLONEL, USAF

3. CHAIN OF COMMAND (Superior echelons)
773D Radar Squadron (SAGE), Montauk AFS, N. Y., Daniel Wolf, Lt Colonel; New York Air Defense Sector, McGuire AFB, Trenton, N. J., General Agan; 26th Air Division, Syracuse AFS, Syracuse, N. Y., General Agee; Eastern Air Defense Force, Stewart AFB, N. Y., General Underhill; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington, D. C., General White; Secretary of the Air Force, Washington, D. C., President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)
NONE

5. MISSION (Give authority and brief statement of primary mission)
To provide New York Air Defense Sector with surveillance data of air traffic within the assigned subsector of responsibility; to accomplish radar mapping prior to transmittal of such data to NYADS; to provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture; and, provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5, dated 21 October 1958).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	18	210	14	242
XXXXXXXX Authorized	7	136	14	157

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)
AN/FPS-6 Height Range Indicator, 2 each
AN/FPS-14, 1 each
AN/FPS-20, Search Radar, 1 each

Section II. COMMENTARY

The past quarter witnessed many changes in progression toward the recently altered mission of the Squadron (See Section I, Item 5).

Reassignment of personnel was, perhaps, the most notable change. The Squadron has suffered the loss of fifty-five airmen and eight officers by virtue of their reassignment or release from active duty. The reassignments ranged from French Morocco to Alaska with a number of personnel integrating into the SAGE systems throughout the zone of interior. The majority of the officers remaining on active duty were sent to the SAGE Weapons Controller Course and assigned to other embryo SAGE units.

One major physical change occurred with the breaking of ground for the erection of an AN/FPS-35 long range radar tower and will eventually replace the FPS-20 presently in use.

March 31st marked the opening of one of the newest and most modern dining halls in the Air Force. Brigadier General Arthur C. Agan, Jr., Commander of New York Air Defense Sector, officially opened the new dining hall by cutting the ribbon just before noon. Also present were Colonel Fred G. Hook, Jr., Commander of 52nd Fighter Group, and Lt Colonel Daniel Wolf, Commander of this Station.

Significant achievements have been made in providing recreational facilities for the personnel of this quasi-isolated Station. Active gymnasium programs with new equipment, an active rod and gun club with skeet range, library, auto hobby shop and other improvements have contributed greatly to the morale and incentive of the personnel.

A narrative of the Squadron's activities, broken down into individual sections, follows:

OPERATIONS SECTION

1. Personnel:

This quarter experienced the loss of the bulk of the Intercept Controllers assigned here. Nine First Lieutenants were reassigned or discharged and one Captain was reassigned to Alaska. Airman losses have been proportional, lowering the present strength to twenty-three including NCO's. In the near future, the personnel will be reduced to one (1) officer and twenty-one airmen. The sole Operations Officer will have, in addition to his normal administrative and supervisory duties, the responsibility of training other non-operations officers on the Station in the control of aircraft. These controllers will be utilized until augmented by SAGE directors from NYADS, should the Sector ever revert to manual operation. The twenty-one airmen are being and will continue to be split up into four crews to man the height finders, mapper, and supervisory positions in the SAGE Operations section of this Station.

2. Projects:

With the retrofit of the SAGE computers, the 26th NORAD Division was given

a Mode II capability (the ability to take on the Air Defense responsibility of the adjacent Sectors in the event an adjacent Sector or part of it is inoperative because of maintenance, etc.), the requirement of the Radar Squadrons to provide a full-time manual operations back-up was phased out in accordance with 26th NORAD Division Operations Plan 59-2. Projects have been undertaken to give the vacant Direction Center a general housecleaning and attention is being focused on the establishment of a director training program for non-operations type officers.

RADAR SECTION

1. Personnel:

One Officer reported for duty as the Radar Maintenance Officer and seventeen airmen were transferred.

2. Projects:

a. The year 1959 started off with the annual overhaul of the AN/FPS-20 and the AN/FPS-6's. Concurrent with these overhauls, this section was undergoing installation of the SIF capability in the AN/FST-2A. This permitted operation on only one channel of the set, which required every possible effort to repair malfunctions as expeditiously as possible in order to stay operational.

b. A great advance in techniques made by the radar maintenance section was the establishment of a combined Maintenance Coordination Center and Data Quality Control Monitor position with sufficient monitoring devices that made it possible to view every signal generated on the site and monitor the progress of the signal from component to component. This required relocation of several components and fabrication of a large coaxial cable junction box so as to make the signal available to the location.

3. Problem Areas:

Trouble was encountered with the RAPPI scope which had to be isolated as there were no technical orders on the equipment. After an extended outage caused in part by damage in attempting to troubleshoot the equipment without schematics or pertinent data, the Burroughs Depot Support Team was summoned. They were able to repair the machine and left with us copies of their Company's publications.

COMMUNICATIONS SECTION

1. Personnel:

The only change in personnel was the assignment of a master sergeant to this Station as Communications Center NCOIC.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
DANIEL WOLF, Lt Col, USAF	Daniel Wolf

Section II (Continued)

2. Projects:

a. During the month of February, the removal of all excess antennas AS-505-GR previously utilized on manual UHF equipment was accomplished by a team from Middletown Air Material Area.

b. A school on tropospheric scatter equipment was conducted from 23 February to 6 March by an RCA Technical Representative.

c. The new AEW dualex teletype was provided with a "module" in March. This addition allows the use of a normal teletype keyboard in lieu of the dualex typewriter to modulate the dualex transmitter.

d. Construction of a new ventilation system at the transmitter and receiver site was begun during the month of March.

HEADQUARTERS SECTION

1. Personnel:

This section has suffered no losses and has gained one Master Sergeant who will serve in the capacity of Administrative NCOIC.

2. Projects:

The Headquarters Section has been functioning smoothly and with the addition of the newly assigned NCOIC, a finer degree of efficiency is expected.

SUPPLY SECTION

1. Personnel:

a. The shortage of qualified personnel has reached the critical stage and is continuing to hinder Supply Operations as it has in the past. However, accordirg to unofficial information received from NYADS, the Commander's Commentary, ADC V-20, sent to Hq ADC for study has been approved and an increase of personnel should appear in the next UMD.

b. There have been three losses to one gain this quarter.

2. Projects:

a. Tech Supply has been preparing to make room for an additional 3,000 line items required for the FST-2A. The project should be completed by 1 July 1959.

b. This Station has received most of the hand tools for assigned mechanics, and in most cases, kits are now 80 to 95 percent complete.

Section II (Continued)

3. Problem Areas:

The major problem is still the lack of personnel, as indicated in paragraph one (1) above. The Supply Operation will continue to work at a disadvanta; e until capable Supply personnel are assigned. Another problem is the inadequate storage facilities for supplies which are received and must be stored. This problem can be solved by the construction of additional enclosures through the hallway in the bunker. Installations has been approached and when materials become available, the project will be undertaken.

MOTOR POOL SECTION

1. Personnel:

With the addition of three newly assigned airmen, the Motor Pool Section is fully manned in accordance with the UmD.

2. Projects:

The Motor Pool Office is preparing to move into the Army Area Fire House. The move will relieve the close cramped ·ondition of the present office.

MEDICAL SECTION

1. Personnel:

There have been two losses and two gains in this Section, thus keeping the proper manning strength.

2. Projects:

a. The area formerly utilized as the ward of the Dispensary is now in the process of being altered for the installation of a fully equipped dental unit. At the present time all of the equipment necessary for the functioning of a fixed dental unit has been received.

b. A larger quantity of pharmaceutical items has been obtained so that the Dispensary is now able to fill many prescriptions that were previously purchased with local purchase funds. A pharmacy has been installed in what was previously a storage room.

3. Cases Requiring Hospitalization and Epidemics:

a. There have been the normal amount of cases requiring hospitalization or quarters. There were four (4) emergency cases; two were hospitalized at the 52nd USAF Dispensary and the remaining two were transported to St Albans Naval Hospital.

Section II (Continued)

b. There were no outbreaks of epidemic diseases although a large portion of the personnel and dependents contacted Intestinal Flu when the disease was at its active height. Station medical support was able to arrest this disease within the normal five (5) day termination.

FOOD SERVICE SECTION

1. Personnel:

During the month of February, three (3) airmen were assigned to the Food Service Section.

2. Projects:.

The month of March was a busy one for this Section, as it operated a seven-day week and closed the old dining hall and moved into the newly constructed one. This move was accomplished without the loss of any days. The new dining hall was completely decorated with curtains, table cloths, and pictures by the Food Service personnel. The addition of a new charcoal grill is a feature that will be appreciated by all who use the dining hall.

AIR POLICE SECTION

1. Personnel:

A change of Provost Marshal was the only change in this Section. The duty has been given to another officer already assigned to this Station.

2. Projects:

a. New targets are being fabricated and plans being made to fire all personnel in accordance with AFR 50-22.

b. Also new reflector type auto registration stickers were issued to all personnel on this Station.

3. Problem Areas:

a. Air Policemen assigned to a Radar Squadron are not sufficient to maintain security and law enforcement. This increases the heavy workload on the present number of airmen assigned.

b. Also at the present time, Air Policemen are frozen in grades from A/2C to M/Sgt. This creates quite a morale problem when no rewards can be made other than "thanks for a job well done".

Section II (Continued)

AIR INSTALLATIONS SECTION

1. Personnel:

There were no personnel changes in this area.

2. Projects:

a. During this reporting period, three major construction jobs were begun by contracts under the Army Corps of Engineers. They are as follows:

(1) AN/FPS-35/24 Tower

(2) Electrical power redistribution for technical load

(3) Station power plant

b. The water treatment plant was ac epted in March as was the new dining hall.

3. Problem Areas:

a. Difficulties are still being experienced with the wells. A contract by Layne and Company to survey and correct, if possible, our water situation, is presently in progress. An abandoned well in the Army Area was commissioned and a temporary irrigation pipe line from this well to our settling tank was necessary. This furnished the majority of the water for this Station during the month of March.

b. Preventive maintenance activities continued but lags because of the number of buildings and insufficiency of personnel.

SPECIAL SERVICES SECTION

1. Personnel:

The gains of a new librarian and an athletic clerk will contribute immensely to the rapidly expanding Special Services programs.

2. Projects:

The special services section h~s continued its improvement program with the expansion of many recreational facilities. Installation of a 9-ton lift and the purchase of tools marked the near completion of the auto hobby shop. The

Section II (Continued)

gymnasium project is also nearing completion. New locker and showers have been installed, the gymn floor has been recently enlarged and repainted. The vacant old dining hall is available and being used as a movie theater, etc. Another project is underway to move the photo hobby shop, the chapel, and the library into the old dining hall.

3. Problem Areas:

This section progressively needs more guidance and supervisory personnel as these projects are completed.

RCS: AU-D5

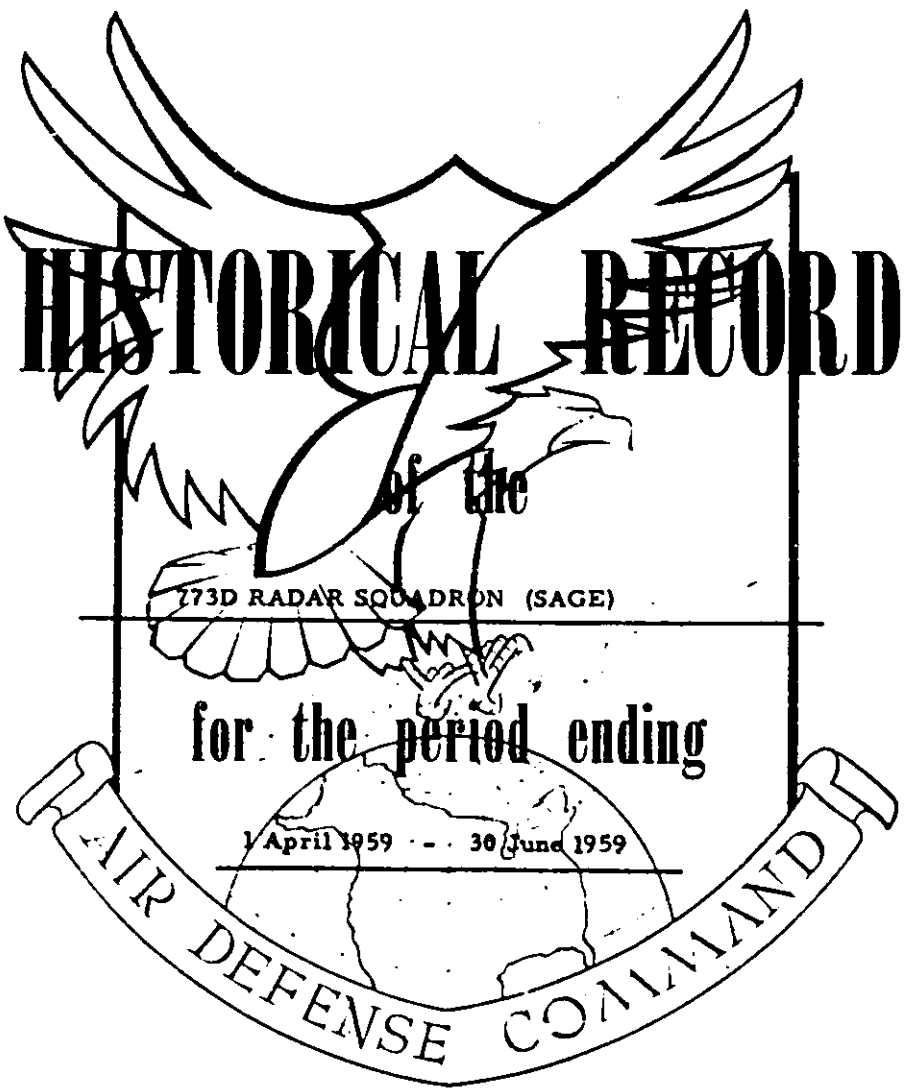
HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

1 April 1959 - 30 June 1959



Section I. **REQUIRED DATA**

1. UNIT AND LOCATION
773D Radar Squadron (SAGE), Montauk AFS, Montauk, Long Island, New York

2. NAME AND GRADE OF COMMANDER
DANIEL WOLF, LT COLONEL, USAF

3. CHAIN OF COMMAND (Superior Echelons)
773D Radar Squadron (SAGE), Montauk AFS, NY, Daniel Wolf, Lt Colonel; New York Air Defense Sector, McGuire AFB, New Jersey, General Agan, 26th AirDivision(SAGE) Syracuse AFS, Syracuse, New York, General Agee; Eastern Air Defense Force, Stewart AFB, NY, General Underhill; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington, D. C., General White; Secretary of the Air Force, Washington, D. C., President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)
NONE

5. MISSION (Give authority and brief statement of primary mission)
To provide New York Air Defense Sector with surveillance data of air traffic within the assigned subsector of responsibility; to accomplish radar mapping prior to transmittal of such data to NYADS; to provide the 26th AirDivision Combat Alert Center (Manual) and New York AirDefense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture; and, provide a force in a maximum states of readiness for use in Air Defense. (NYADS Regulation 20-5, dated 21 October 1958.)

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	10	174	14	198
~~XXXXXXX~~ Authorized	7	136	14	157

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)
AN/FPS-6, Height Range Indicator, 2 each
AN/FPS-14, 1 each
AN/FPS-20, Search Radar, 1 each

Section II. COMMENTARY

During the last quarter of Fiscal Year 1959 this organization witnessed many changes in its pyhsical appearance and an increase in recreational and other personnel service facilities.

The erection of the AN/FPS-35 Long Range Radar tower is well under way and now overshadows the other radar towers and buildings in the area. The new Class "A" diesel plant also under construction is already an impressive looking installation. When finished, it will house four 1,000 KW generators.

As the result of a recent grant from the EADF Welfare Fund, the Station now has several seagoing outboard boats and will soon be constructing many additional recreational facilities which are noted later in this report.

A Station Chapel has been established and an organ purchased from donations by squadron personnel. The Chapel is served by a Chaplin from Suffolk County Air Force Base and is providing a long needed service for station personnel and their dependents.

Many familiar faces have departed the Station during the last three months. 1st Lt. Barry, the Executive Officer, was reassigned to Suffolk County Air Force Base. His duties as Executive Officer were taken over by 1st Lt. James Harper, formerly the Squadron C&E Officer. Lt. Harper was replaced by the Radar Maintenance Officer, 1st Lt. Raymond Jedlicka. Seven officers from the Operations section were also reassigned. One of these was Captain Donald Sheridan, the Operations Officer. A large number of NCO's and Airmen were also reassigned. This was particularly noticeable in the Radar Maintenance Section which lost 13 enlisted personnel to overseas assignments and discharges.

A narrative of the Squadron's activities, broken down into individual sections, follows:

OPERATIONS SECTION

1. Personnel:

During this quarter 7 officers were reassigned. Five of these seven officers are now serving as controllers in various SAGE Direction Centers throughout the Country and one officer is attending Navigator Upgrading school. Captain Sheridan the Operations Officer was released from active duty. His duties have been assumed by 1st Lt. Hal W. Hendrick. Two S/Sgt's and 2 A/1C's were also reassigned. The only new addition to the section is S/Sgt Baldwin who returned for his second tour of duty at Montauk.

2. Projects:

a. Primary emphasis was placed on On-The-Job training of operations personnel in SAGE operations procedures. At the close of this quarter, about 80% of this training program is complete.

b. A training program to cross-train assigned officers in other career fields in Aircraft Controlling for MODE III operations was established and is presently underway.

c. The Manual Direction Center was modified as a result of our new operations MODE III responsibility. (See attached Operations Office Instruction.)

RADAR MAINTENANCE SECTION

1. Personnel:

During this quarter, one T/Sgt, one S/Sgt and 11 A/2C were reassigned or discharged. No personnel were received or are presently projected as replacements for these people.

2. Projects:

a. Primary efforts of the section were devoted to maintenance of the equipment with some refinements in the DQCM-MCC position. The full implementation of this position was a significant factor in keeping the Station on the air in spite of the large number of personnel transferred.

b. Plans are being made to recable the SAGE Annex Operations Center during July to conform to installation standards.

COMMUNICATIONS SECTION

1. Personnel:

During this period a number of airmen were assigned and reassigned from this section. They are as follows: 2 S/Sgt's and 3 A/2C's assigned to other Stations and overseas, 1 T/Sgt and 1 A/3C assigned to the teletype/switchboard section; 1 M/Sgt 1 T/Sgt and 1 S/Sgt assigned for 90 days TDY to the Air Conditioning/Ground Power Section; 1 A/2C reassigned, 1 S/Sgt assigned to the Tropospheric Scatter Section.

2. Projects:

a. The last of the installed manual UHF radio equipment was removed. The only remaining radio equipment not for the SAGE System usage is VHF equipment utilized by FAA Controllers for Radar Advisory Service to civil jet airlines.

b. A team from Middletown Air Material Area removed excess UHF and VHF antennas and realigned others at the transmitter and receiver sites.

c. During June a major modification was started on the Tropospheric Scatter power amplifiers. At the present time the first PA is about 80% complete.

(If additional space is required, continue on blank sheets, size 8½", appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
DANIEL WOLF, Lt Col, USAF	

Section II (Continued)

HEADQUARTERS SECTION

1. Personnel:

On 18 April 1959 one M/Sgt 73270 was assigned as Personnel Supervisor. On 15 June 1959 he became vested with an additional duty as First Sergeant when the former First Sergeant left for cross-training into the Weather Career Field. A severe loss was felt when both the Administrative Officer and the Personnel Officer left for training. This was somewhat offset by the reassignment of a Lieutenant from the Operations function to the Administrative Officer's position. A severe shortage of personnel is projected due to the reassignment of the Administrative Officer immediately upon completion of Squadron Officer's School, overseas reassignment of one A/1C 73250, one A/3C from the Administrative function, and the very strong possibility of another A/1C loss 73250. No projected gains are anticipated in the near future to offset the loss of these personnel.

a. During this period an intensive program was conducted to cross-train all assigned personnel in each others duties. In addition, Job Description cards were written covering each mans duties. This was felt to be a necessity in view of the anticipated personnel shortage within this section.

b. The personnel section was heavily taxed during this period because of a large number of personnel being assigned to and reassigned from this Station.

c. A project was started to establish and maintain a 90 day stock level of all forms used by the Squadron. A forms inventory is now being taken in all sections to determine squadron requirements.

d. Plans have been made to establish a records staging area in the Headquarters building. The staging area will be completed during the next quarter.

SUPPLY SECTION

1. Personnel:

During this period one A/1C was discharged and one A/3C was assigned. The shortage of qualified supply personnel is still critical and no relief is in sight. The expected increase in the UMD did not materialize, therefore an acute supply personnel shortage problem is worsening.

2. Projects:

a. Technical Supply bench stocks were inventoried and many items were discovered to have not moved for as many as five years. The combining of Unit Supply and Tech Supply personnel in one office has shown satisfactory results, mainly better control over all personnel by the Supply Officer and the Supply NCOIC, elimination of duplicating stock lists and other publications, and fully

Section II (Continued)

utilize all available manpower.

b. The Tech Supply Section is presently undertaking to reduce all bench stocks which have not moved in the past two years to approximately 4,000 line items or about 45%. Expected date of completion is 30 September 1959. The turn-in of items would somewhat bring relief to a storage problem and return to base stocks thousands of dollars worth of radar spares which can be used throughout the Air Force.

MOTOR POOL SECTION

1. Personnel:

During this period the motor pool lost one A/1C and one A/3C. In addition, one A/1C is presently in the hospital as a result of a private vehicle accident.

2. Projects:

a. A major overhaul was performed on the Station Bus and a valve job was completed on the ambulance.

b. The bucket-loader was put on contract maintenance for a complete overhaul.

c. The motor pool section assisted in the clearing and graveling of the new trailer court being constructed on base.

MEDICAL SECTION

1. Personnel:

There has been no turnover of medical personnel during this reporting period.

2. Projects:

a. A polio immunization program was conducted during this period for all assigned personnel and their dependents. The program was highly successful with all military personnel and approximately 99% of their dependents receiving polio shots.

b. A weight reduction program has been started and has received excellent support from all overweight personnel.

SECTION II (CONTINUED)

FOOD SERVICE SECTION

1. Personnel:

During the month of May, two cooks were TDY to another station for a period of thirty days. As a result, the dining hall was short handed for this period requiring two cooks to work seven days a week. No personnel were permanently assigned or reassigned from this section during this reporting period.

2. Projects:

a. Seventy to eighty rations were served per meal during this quarter.

b. At the end of this quarter, preparations were being made to have a Fourth of July steak dinner to be prepared on charcoal grills in the Squadron Picnic Area.

AIR INSTALLATIONS SECTION

1. Personnel:

There were no personnel changes during this reporting period.

2. Projects:

a. The Air Installations Section concentrated on making preparations for the summer season. Damage to buildings and facilities occuring during the winter months were repaired. Screens were inspected and repairs made where necessary.

b. During this quarter, Well # 1 A decreased in water output necessitating a Corps of Engineers contract to drill a large well near the location of Well # 3. This drilling will be accomplished during the month of July. The only other well presently operational is Well # 5.

SPECIAL SERVICES SECTION

1. Personnel:

One A/3C was assigned during this quarter. With the increase in personnel services facilities, at least one additional airman is needed for this section

Section II (Continued)

2. Projects:

a. Major progress has again been made in the Special Services program. The actual major improvement was the awarding of $20,000.00 for the modification of the old dining hall into a multiple purpose recreation building. This will provide us with a very good library, chapel, theater, photo hobby shop, small crafts shop and Airman's Lounge. This project is scheduled for completion in early September of this year. This facility will greatly increase our ability to hold personnel on the station.

b. A multiple purpose outdoor recreation pad is being constructed with funds awarded by the EADF Welfare Fund. The pad will accomodate a tennis court, a volley-ball court, basketball court and will be utilized as an ice skating rink in the winter months.

c. The automotive hobby shop is now completely equipped to perform all automotive repairs except painting. The sole problem remaining is to find someone to supervise the operations so that the shop is open, advice is available, and the tools can be handled safely. Our present manpower does not allow us adequate use of this wonderful facility.

d. The acquisition of three outboard boats has greatly increased interest in the whole special services section. There are long waiting lists for pleasure-cruises, fishing parties and water skiing.

e. The gymnasium floor has been completely repainted and lined. The gym is also now equipped with showers, lockers, benches and new lighting is being planned.

RCS: AU-D5

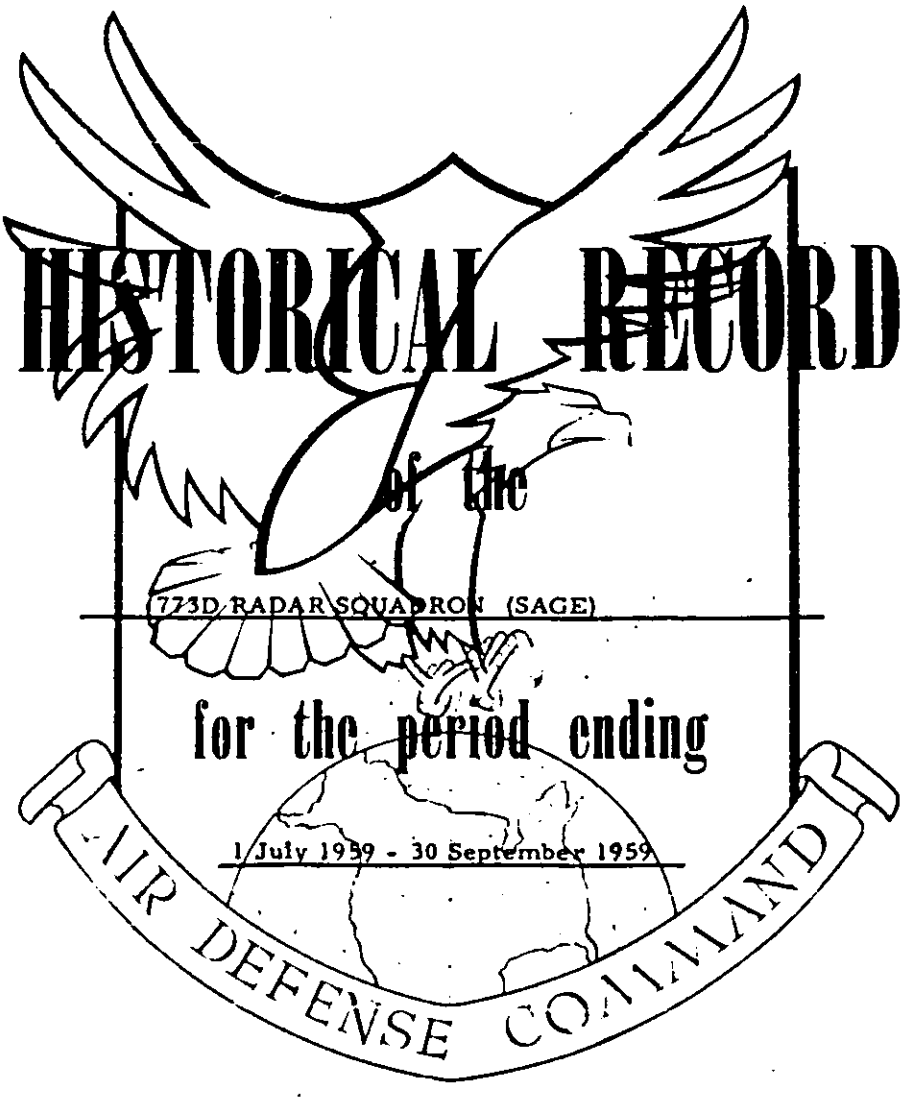
HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

1 July 1959 - 30 September 1959



Section I. **REQUIRED DATA**

1. UNIT AND LOCATION
773D Radar Squadron(SAGE) Montauk AFS
Montauk, Long Island, New York

2. NAME AND GRADE OF COMMANDER
JOHN W. WEINIG, MAJOR, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*
773D Radar Squadron(SAGE), Montauk AFS, NY, John W. Weinig, Major; New York Air Defense Sector, McGuire AFB, New Jersey, General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., General Agee; Eastern Air Defense Force, Stewart AFB, New York, General Underhill; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington, D. C., General White; Secretary of the Air Force, Washington, D. C.; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)*
To provide New York Air Defense Sector with surveillance data of air traffic within the assigned subsector of responsibility; to accomplish radar mapping prior to transmittal of such data to NYADS; to provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture; and, provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5, dated 21 October 1958).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	9	160	14	183
ATTACHED	7	146	14	167

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*
AN/FPS-6, Height Range Indicator (2 each)
AN/FPS-20, Search Radar, (1 each)

Section II. COMMENTARY

During the reporting period for July, August and September, many changes were seen physically.

The AN/FPS-35 Long Range Radar Tower building is nearing completion.

The new diesel power plant construction is well underway.

Construction on the multi-purpose outdoor recreation pad has been completed. The pad will accommodate a tennis court, a volley ball court, basketball court and will be utilized as an ice skating rink in the winter months.

The modification of the old mess hall into a multi-purpose recreation building is nearing completion.

The construction of the sixteen pad trailer park is almost completed and should be ready for occupancy by 15 November.

One Officer has departed this Station during this period. 1/Lt James C. Harper, the Executive Officer, has been released. His duties as Executive Officer were taken over by 1/Lt Ronny J. May. A large number of Non-Commissioned Officers and Airmen were reass' ...ed.

A narrative of the Squadron's activities, broken down into individual sections, follows:

OPERATIONS SECTION:

1. Personnel:

During this quarter, nine airmen were lost by this Section due to overseas assignments and discharges. Only one airman was reassigned to this section during this period.

2. Projects:

During the reporting period, a new electronics status board has been installed. Also an emergency SIF alarm system has been installed.

3. Problem Areas:

During this 90 day period, the only serious problem was our extreme shortage of personnel. To remedy this situation, we initiated a three crew system consisting of 12 hour shifts. This did not solve the problem completely as we were still in need of supervisory personnel.

SUPPLY SECTION:

1. Personnel:

The shortage of qualified supply personnel is still a factor which continues to hinder the operating efficiency of the section. No personnel are forecasted, and although inspectors from higher headquarters agree that additional personnel are needed in the Supply Section, there seems little likelihood that future UMD's will reflect any increase in the 64 field for this organization.

2. Projects:

A complete physical inventory was completed on 30 September 1959, of all property charged to this organization. Disposition instructions were requested from AFB 2501, for approximately 2,000 bench stock line items. When this project is completed, additional space will be available to completely rewarehouse the Tech Supply, approximate target date of completion, 1 January 1960.

MEDICAL SECTION:

1. Personnel:

There are three Medical Service Technicians assigned to this Station. There has been no change of assigned personnel within this reporting period. The assigned Medical Service Technicians are sufficient for the effective functioning of the Station Dispensary.

2. Projects:

A weight reduction program has been started in accordance with current directives. The overall results have been excellent. At the present time the weight reduction program is still in effect. Station personnel have reported to the Dispensary on assigned dates for completion of the Polio Immunization Program. Immunizations for Flu has been started, date of completion is 15 November 1959. At the present time, construction for a dental dark room is underway.

AIR POLICE SECTION:

1. Personnel:

One airman was reassigned from this section and no airmen gained for this period. The Provost Marshal, 1/Lt Hal W. Hendrick, was replaced by 1/Lt Luther G. Morris. T/Sgt Houston A. Deggans is attending recruiting school at Lackland AFB, San Antonio, Texas. Sergeant Deggans will be present for duty the middle of November.

2. Problem areas:

Air Police assigned to the Radar Squadron are not sufficient tomaintain security and law enforcement.

HEADQUARTERS SECTION:

1. Personnel:

It was determined that the First Sergeant's duties would require more time and effort than the Personnel Supervisor could devote to the job. As a result, a full time position of First Sergeant was established, thereby relieving the Personnel Supervisor of this additional duty.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
JOHN W. WEINIG, Major, USAF	John W. Weinig

SECTION 11 (Continued)

The Personnel Officer completed the Personnel Officer's Course in September and another officer, the former Administrative Officer, completed Squadron Officer's Course in August. One A/1C, AFSC 73250, was reassigned to Okinawa in August and the Morning Report Clerk is in an administrative freeze status pending overseas assignment to USAFSS. No projected gains are anticipated to offset these losses.

Projects:

An intensive cross-training program was conducted to enable effective functioning despite reduction in strength. This program is still in effect. In addition, all personnel are required to work several additional hours each week to keep abreast of the workload.

MOTOR POOL SECTION:

1. Personnel:

There was no change in personnel strength during this period.

2. Problem areas:

There were no vehicles lost or gained during thisperiod.

FOOD SERVICE SECTION:

1. Personnel:

During this period, 2 cooks were reassigned from this Section. No new personnel were assigned this section.

2. Projects:

During this quarter, seventy to eighty rations were served per meal.

COMMUNICATIONS SECTION:

1. Personnel:

During this period, 6 airmen were reassigned from this section. Only 2 airmen were assigned this Station.

2. Projects:

Seaward Extension responsibilities for picket vessel communications were taken over by Otis Relay, Otis AFB, Massachusetts.

SECTION II (Continued)

RADAR MAINTENANCE SECTION:

1. Personnel:

a. During the period of 1 July 1959 to 30 September 1959, the following personnel were transferred:

S/Sgt R. L. Brown
S/Sgt A. Johnson
S/Sgt R. Smith
A/1C J. D. Brown
A/1C F. Raymondo
A/1C Vosberg
A/2C Gordon
A/2C Sylvester

In addition to these losses, six additional airmen, AFSC 303X2, are be reassigned during the months of October and November. No incoming personnel are scheduled to report to the Squadron.

b. Personnel losses have been so great, that continued operation of the radar and associated equipments are in serious jeopardy. SAGE specifications dictate high standards of equipment operation. With the number of personnel projected assigned, it will be impossible to maintain these standards.

2. Projects:

The combined Maintenance Coordination Center and the Data Quality Control Monitor position which was originated at this Station has undergone some revisions and many new innovations. This position has proven to be extremely successful in operation. The Air Force recently gave Bell Telephone Laboratory, a contract to perfect the combined DQCM-MCC concept. It is interesting to note that there are few differences between the one at this Station nd BTL's finalized DQCM-MCC position.

A production control center was constructed during the month of July. It consists of one room devoted to the Air Force maintenance system as prescribed in T.O. 31-1-10. Due to the large span of control of the Radar Officer and Radar NCOIC, this was considered a necessity. All maintenance records are maintained in a manner which readily enables supervisors to intelligently dictate instructions to maintenance personnel. We have found that by using this method, maximum utilization of personnel and equipment can be obtained.

Construction of the AN/FPS-35 Tower is nearing completion. Sperry Gyroscope personnel are arriving at this Station and installation of equipmer will begin in the near future. The AN/FPS-35 radar at this Station will be the second of its kind in ADC; the first being at Thomasville, Alabama. Accompanying the construction of this radar tower is the construction of a Class "A" power plant which will consist of four 1000 KW diesel generators. This power plant will furnish the entire technical load of the base and eliminate the need of commercial power which has proven unreliable.

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

31 DECEMBER 1959

AIR DEFENSE COMMAND

4-4053-27

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION
773D Radar Squadron (SAGE) Montauk AFS
Montauk, Long Island, New York

2. NAME AND GRADE OF COMMANDER
JOHN W. WEINIG, MAJOR, USAF

3. CHAIN OF COMMAND (Superior Echelons)
773D Radar Squadron (SAGE), Montauk AFS, N. Y., John W. Weinig, Major; New York Air Defense Sector, McGuire AFB, New Jersey, General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., General Agee; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington D. C., General White; Secretary of the Air Force, Washington, D. C.; President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)
To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility; to accomplish radar mapping prior to transmittal of such data to NYADS; to provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture; and, provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5, dated 21 October 1958).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	8	166	14	188
ATTACHED	0	2	0	2

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

AN/FPS-6, Height Range Indicator (2 each)
AN/FPS-20, Search Radar (1 each)

Section II.	COMMENTARY

A narrative of the Squadron's activities, broken down into individual sections, is as follows:

OPERATIONS SECTION :

1. Personnel:

During this quarter, nineteen airmen were assigned to this Section with a loss of five to overseas assignments. 1/Lt Hal W. Hendrick attended Squadron Officer's School during this period. One airman is projected gain.

2. Projects:

This section has accomplished a new Height Finder Accuracy Check Log (773D OOP Form #4). This form will be used as a reference by maintenance personnel, and, as a permanent record to be placed on file for future reference. SAGE training classes were organized during this reporting period and will begin on 11 January 1960. The course will consist of 18 hours of classroom training per man and unlimited hours of training to be accomplished in the SAGE Operations Center. The course will cover SAGE in general, Weapons Branch, Identification Branch, Manual Inputs, Training and Battle Simulation Branch, Surveillance Branch, Situation Displays and different types of Digital Displays. A training outline and progress records have been established covering the above mentioned training and is broken down into one hundred portions. The instructors for this training are fully qualified SAGE operators possessing the 27370B AFSC.

3. Problem Areas:

None.

SUPPLY SECTION:

1. Personnel:

No change during this reporting period.

2. Projects:

A complete rewarehousing program of Tech Supply was initiated 1 November 1959, expected completion date, 31 January 1960. The rewarehousing will facilitate future inventories of radar spare parts, allow quick location of the spares, and improve the appearance of the Tech Supply.

3. Problem Areas:

The main problem in Supply is the lack of qualified personnel.

MEDICAL SECTION:

1. Personnel:

Three technicians are assigned to this Section and there has been no change during this reporting period.

2. Projects:

The weight reduction program is being followed as outlined by current directives. Immunizations are being brought to date for all Squadron personnel. The immunization program for Flu has been administered with one hundred percent participation. The completion of a fixed Dental Unit has been delayed by inclement weather but is expected to be accomplished in the near future.

3. Problem Areas:

None.

AIR POLICE SECTION:

1. Personnel:

T/Sgt Houston A. Deggans who was attending recruiting school at Lackland, returned to duty during this reporting period.

2. Projects:

This Section has had a major problem dealing with civilian fishermen during this reporting period. This Base, being located and extending to the Atlantic Ocean, is a good surf casting area for fishermen from as far as New Jersey and Connecticut. As a result, many requests to fish in this area have been received. Since security is the primary mission of this section, an experiment has been initiated to discourage as many fishermen as possible from applying for Base Entry Permits. A double pass system and local police check are being initiated to solve this problem.

3. Problem Areas:

Including the above mentioned problem and project-solution, another problem during this period has been manpower. Recommendations for more personnel have been submitted, but during this period shipments for three 771XX have been received although releases have been obtained, the men selected for these shipments were relieved of duty. This created an additional workload on a number of people in this section.

PERSONNEL AND ADMINISTRATIVE SECTION:

1. Personnel:

During this period, Major John W. Weinig replaced Lt Colonel Daniel Wolf as Squadron Commander. Lt Colonel Wolf was reassigned to Canada. A 26th ADIV (SAGE) I. G. Inspection Team conducted its general inspection of the Squadron. Several areas within the section were found to be deficient. The major problem was the lack of personnel.

2. Projects:

One project that occurred soon after Major Weinig's assumption of command was the relocation of his office from the Operations Building to the Headquarters Building

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
JOHN W. WEINIG, MAJOR, USAF	John W. Weinig

SECTION II (Continued)

3. Problem Areas:

During this reporting period, the Personnel NCOIC was accepted for retraining and will depart early in January 1960. There was no one available for him to train into his position. The 70250 clerk who was working in the Administrative Section was also reassigned. Since his primary duty was that of Special Orders Clerk, this necessitated the training of another individual. Several airmen from other sections were utilized as mail clerks during this period due to no qualified airman assigned.

MOTOR POOL SECTION:

1. Personnel:

There was no change in personnel strength during this reporting period.

2. Projects:

A maintenance shop was established in this section during this reporting period. Two Rambler Station Wagons, two 1/2 ton dodge pickup trucks and one 1 ton S&P Dodge truck were received from GSA, all 1959 models. One 1955 Plymouth #55B-247 and two 1 1/2 ton Chevrolet trucks #59B577 and 59B585 were turned in for assignment to other stations in the Command. Total vehicle miles recorded over this period was 28, 385.

3. Problem Areas:

A lack of qualified vehicle operators has made the accomplishment of the mission difficult. It is estimated that two additional personnel would bring this section to operating strength.

FOOD SERVICE SECTION:

1. Personnel:

During this reporting period, two airmen were assigned to this Section. This section is now up to authorized strength.

2. Projects:

Approximately sixty guests and 100 military personnel were served on Thanksgiving Day. The Christmas meal was served with all the trimmings, but very few personnel were present due to leaves and i.. itations to private homes. During this reporting period, an average of 100 rations daily were served.

3. Problem Areas:

None.

COMMUNICATIONS SECTION:

1. Personnel:

Captain Claude S. Day assumed duty as C&E Officer during this period. CWO W-2 Klein was relieved of duty and transferred to Labrador. Three radio maintenance airmen were assigned to this Station from Syracuse Sector

SECTION II (Continued)

and two airmen (30432) were assigned from Keesler AFB.

2. Projects:

Loss of Seaward Extension responsibilities for AEW/C elements closed out all H. F. facilities installed at this Station. Two visits were made by Bell Labs technicians at which time they tested the data link system. A DLM team from Wright-Patterson arrived to accomplish inside wire plant maintenance and to conduct a pre-site survey for maintenance of outside wire plant. A DLM team from ROAMMA arrived to accomplish maintenance on teletype and Comm Center equipment. DLM of inside wire plant completed satisfactory, 304 manhours utilized.

3. Problem Areas:

None.

RADAR MAINTENANCE SECTION:

1. Personnel:

During this reporting period, one airman was assigned to this section, three reassigned and one discharged.

2. Projects:

The installation of the FPS-35 is progressing according to schedule. The Cabling problem in the SAGE Annex is being aggravated even more with the installation of this new search radar.

3. Problem Areas:

The main problem is the lack of qualified airmen AFSC 303X2. At present, twenty-one airmen AFSC 303X2 are authorized with fourteen present for duty. Due to the lack of personnel, one AN/FPS-6 Height Finder Radar is still being maintained in the standby position.

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE) MONTAUK, N. Y.

for the period ending

31 MARCH 1960

AIR DEFENSE COMMAND

ADC FORM MAY 56 102

F.C. 0810

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION
773D Radar Squadron (SAGE)
Montauk AFS, Montauk, L. I., N. Y.

2. NAME AND GRADE OF COMMANDER
JOHN W. WEINIG, Major, USAF

3. CHAIN OF COMMAND (Superior Echelons)
773D Radar Squadron (SAGE) Montauk AFS, N. Y., John W. Weinig, Major; New York Air Defense Sector, McGuire AFB, New Jersey, General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., General Agee; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington, D. C., General White; Secretary of the Air Force, Washington, D. C.; President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)
To provide New York Air Defense Sector with Surviellance Data of Air Traffic within the assigned subsector of responsibility; to accomplish radar mapping prior to transmittal of such data to NYADS; to provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture; and, provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5, dated 21 October 1958).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	8	166	14	188
ATTACHED	0	0	0	0

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

AN/FPS-6, Height Range Indicator (2 each)
AN/FPS-20, Search Radar (1 each)

Section II. COMMENTARY

During the reporting period for January, February and March, the Squadron's overall Air Defense capability was changed somewhat. Under Mode III, this Station is no longer required to have a control capability. The mission will be limited strictly to surveillance.

A new fixed dental unit was installed in the Medical Section during this reporting period. Captain William Skvarla was on temporary duty here from Suffolk County AFB, New York, for operation of the dental unit to provide necessary dental treatment to Squadron personnel.

From 21 to 25 March 1960, an inspection of the Station was conducted by a 26th Air Division Inspection Team. Very few discrepancies were noted in sections on this Station.

Considerable reconstruction work was initiated during this reporting period on the Airmen's dormitories at this Station. The reconstruction work contracts were awarded to civilian contractors.

1/Lt Hal W. Hendrick returned from Squadron Officer's School in January 1960, and assumed duties as Squadron Administrative Officer in addition to his original assignment as SAGE Operations Officer. 1/Lt Robert H. Gividen was assigned here PCS as Radar Maintenance Officer, and CWO A. C. Van Kleef was assigned here PCS as Communications Officer.

A narrative of the Squadron's activities, broken down into individual sections, is as follows:

OPERATIONS SECTION:

1. Personnel:

Since January 1, 1960, personnel changes have been rather stable. One airman received an assignment to Iceland. Four airmen were reassigned to augment the "Supply Improvement Program". These airmen will be returned to Operations Section in July 1960. Four airmen are on OJT for AFSC 27350 and they will be ready for testing this June. During March 1960, two airmen were assigned here from Canadian Bases. January 1, 1960, 1/Lt Hal W. Hendrick returned from Squadron Officer's School to resume duties as Operations Officer. On 1 April, Lt Hendrick assumed duties of Squadron Administrative Officer, in addition to Operations Officer.

2. Projects:

During the reporting period, Operations personnel participated in several Sioux Arrow exercises, also Strawboss and Big Blast Missions. The various exercises were observed by representatives of Detachment #5, ADC, and by civilian personnel of the Bell Telephone Laboratories, and other associated agencies. Personnel participation in these exercises was excellent and the section was able to perform to full capability during these tests. Also during this reporting period an inspection was conducted by 26ADIV. The Operations Section was noted to be in good order, and all regulations and SOP's were being adhered to. General Pritchard, Commander, NYADS, made several visits during this reporting period to observe the progress of the AN/FPS-35 installation and Project "Shape-Up" in the Squadron.

3. Problem Areas:

During the period covered in this report, the Squadron's overall Air Defense capability was changed somewhat. Under Mode III, this Section is no longer required to have a control capability. The mission will be limited to surveillance. Utilizing present plans the section will relay pertinent Air Defense information from a Texas Tower to a Master Direction Center at Highlands AFS, New Jersey.

SUPPLY SECTION:

1. Personnel:

No change during this reporting period.

2. Projects:

A complete rewarehousing program of the Supply Section and Tool Kit Issue Room was initiated on 25 January 1960, and was completed 19 February 1960. The rewarehousing has improved the appearance of this section and will facilitate the storing of equipment and supplies. On 8 March 1960, a painting project was under taken to completely paint the Supply bunker. Estimated date of completion is 18 April 960. The project, when finished, will greatly improve the appearance of the bunker.

3. Problem areas:

None

MEDICAL SECTION:

1. Personnel:

There have been no changes in the personnel assigned to the Medical section within this reporting period.

2. Projects:

During this reporting period a fixed dental installation has been installed in what was previously utilized as the Dispensary Ward area. This fixed dental unit has been in operation, providing necessary dental treatment to Station personnel. One Dental Officer, Capt William P. Skvarla is on Temporary Duty status to this Station for operation of the dental unit. The number of cases requiring hospitalization or quarters have been below the usual standards during this reporting period. There was one emergency admission to the dispensary ward and that was due to an automobile accident but as there was no injury other than a laceration of the forehead, the admission was for observation only and the airman was released for duty within a twenty-four hour period.

3. Problem areas:

None.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
JOHN W. WEINIG, Major, USAF	John W. Weinig

AIR POLICE SECTION:

1. Personnel:

On April 2, 1960, A/1C Juan M. Torres was assigned to this Section. During this period there was one transfer and another slated for the early part of May, 1960. One airman is TDY to 6th ADM and will be returned upon other airmen being assigned to the 6th ADM through pipeline status.

2. Projects:

This section and the Station has had a major problem with civilian fishermen. The idean of a double pass system as stated in the last historical data report has proven to be of great use to the Air Policeman on duty at the Main Gate. Applications are still being received and the total number issued so far is 186.

3. Problem areas:

As stated in the last data report, the major problem which faces this section is manpower. Inspections of this installation and a request for assistance have proven negative due to the fact that during this reporting period four 771XO shipments have been received with only one cancellation. With three shipping out, this section will be left with only four 771XO's assigned.

PERSONNEL AND ADMINISTRATIVE SECTION:

1. Personnel:

One 73250 was gained during this period and has been accepted for ROTC duty with the approximate departure date during the month of July 1960. One 73250 was gained from Suffolk County AFB, N. Y., and one 70250 has been selected for reassignment to Iceland with the departure date of 15 April 1960. This rotation of personnel will leave this section only 50% manned, as of July 1960 with no projected gains.

2. Projects:

During this reporting period the results of the 26th ADIV Inspection were received indicating very few discrepancies for the personnel and administrative sections.

3. Problem areas:

None.

FOOD SERVICE SECTION:

1. Personnel:

There were no changes in personnel during this reporting period.

2. Projects:

During the month of January 1960, this section served an average of 109 rations daily. During February 1960, 107 rations and during March 1960, 108 rations were served.

3. Problem areas:

RADAR MAINTENANCE SECTION:

1. Personnel:

During this reporting period one officer and three airmen were assigned to this Section. One airman was reassigned to Okinawa.

2. Projects:

This section was inspected by the 26th ADIV Inspection Team. Most discrepancies noted were cleared up before the team left, the remainder before 1 April 1960.

3. Problem areas:

The main problem in this section is the lack of qualified airmen 303X2. The AN/FPS-6 Height Finder, was not in operation for a short period due to a personnel shortage.

AIR CONDITIONING SECTION:

1. Personnel:

During this reporting period three airmen were assigned from school.

2. Projects:

At the beginning of this quarter the majority of the air conditioning equipment was not operating satisfactory, the equipment and comfort cooling was accomplished by the use of outside air. Maintenance action was initiated at the beginning of this quarter. In the SAGE Annex air conditioners, a total of 27 leaks were discovered. Corrective action was taken immediately and all leaks were repaired. Unit #1 was recharged with Freon. Cooling Tower #2 was cleaned of rust and scale then repainted. Dampers installed on discharge part of Cooling Tower #1. All air conditioning equipment was operational 16 March 1960, twenty-four hour shifts for maintenance personnel was also initiated this date.

3. Problem areas:

None.

POWER PLANT SECTION:

1. Personnel:

No changes in personnel occurred during this reporting period.

2. Projects:

The power plant was in operation a total of 112 hours during this quarter to furnish power for Base Tech Loads. On 12 February 1960, at 0720 hours a switch was made to diesel power because of commercial power fluctuations caused by bad weather conditions. The plant furnished power for all tech loads until 2200 hours on this date. On 15 February 1960, diesel power was furnished from 0935 to 1400 hours due to commercial power fluctuations. On 20 March 1960, commercial power was interrupted due to a short circuit at Pole #40 on Base. Diesel Power was

furnished from 1630 to 2200 hours. Other operating hours were from unit operation for test purpose and in conducting on-the-job training.

3. Problem areas:

The power plant met successfully the drainage problem, throughout this quarter, by using portable pumps and expenditure of considerable man hours. The cause of this problem was determined the latter part of March and action was taken to bring about corrective action. An emergency work order was submitted to Suffolk County AFB Installation Engineer to have drainage system repaired or reworked.

COMMUNICATIONS SECTION:

1. Personnel:

One officer and one airman was assigned to this section during this reporting period. Two airmen were discharged, one airman and three NCO's were reassigned.

2. Projects:

Data Link classes were conducted by Mr. Billie Black, General Electric representative, from 5 January to 3 February 1960. Seven airmen participated. Five of the seven participating airmen were from the Radio Maintenance Section. An OJT Administrator's Course was conducted 8 February through 12 February 1960 for all section OJT supervisors. T/Sgt O'Hara, Suffolk County AFB, was the instructor for this course. Throughout this quarter, thirteen airmen from this section were on OJT.

3. Problem areas:

Many problems have been encountered on the OA-1503 and OA-1515 Radio Set Groups and the 45BX2 Lenkurt Multiplex. This has been due to inaccurracies in the procedures stated in the Handbook of PMI's. Three UR's were submitted pointing inadequacies in the Handbook of PMI's. These UR's were returned by Headquarters, 26ADIV with no action taken or a field evaluation performed to determine their validity. Two other UR's were submitted which have not had sufficient time for action.

MOTOR POOL SECTION:

1. Personnel:

No changes occurred in the personnel strength of this section during this reporting period.

2. Projects:

Total vehicle miles recorded over this reporting period was 32,832. One accident occurred when SSGT Smith of the Medics Section hit a deer with the 1955 Plymouth Station Wagon, estimated damage totaled $154.55.

3. Problem areas:

The shortage of qualified vehicle operators is the major problem in this section. An estimate of two additional personnel would bring this section up to operating strength.

RCS: AU-D5

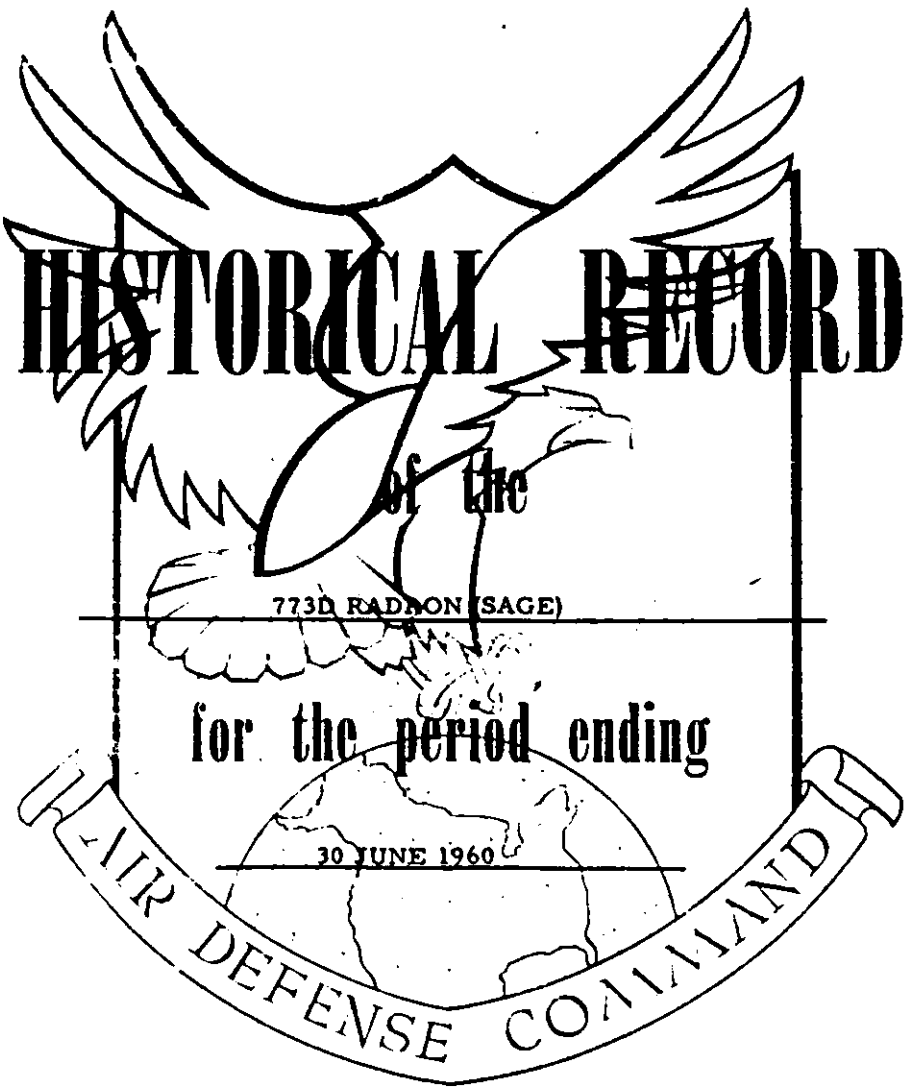
HISTORICAL RECORD

of the

773D RADAR (SAGE)

for the period ending

30 JUNE 1960



ADC FORM MAY 58 102

P.C. 5310

Section I. REQUIRED DATA

1. UNIT AND LOCATION

773D Radar Squadron(SAGE) Montauk NY

2. NAME AND GRADE OF COMMANDER

JOHN W. WEINIG, Major, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773D Radar Squadron (SAGE), Montauk AFS, N. Y., John W. Weinig, Major; New York Air Defense Sector, McGuire AFB, New Jersey, General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., Maj. Gen Viccellio; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington, D. C., General White, Secretary of the Air Force, Washington, D. C., President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility; to accomplish radar mapping prior to transmittal of such data to NYADS; to provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture; and, provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5, dated 21 October 1958).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	9	155	14	178
ATTACHED		1		1

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

AN/FPS-6, Height Range Indicator (2 each)
AN/FPS-20, Search Radar (1 each)

Section II. COMMENTARY

A narrative of the Squadron's activities, broken down into individual sections, is as follows:

During the reporting period of 1 April 1960 through 30 June 1960, the mission of the 773D Radar Squadron remains unchanged. Present capabilities of the 773D are: To provide the New York ADS with surveillance data including height determination, flight size and Mark X. IFF/SIF of enemy, unknown and friendly air traffic within the assigned subsector of responsibility and adjacent subsectors as required by higher headquarters evaluation of the situation.

On 26 June 1960, there was a complete failure of electric power in the Camp Hero Trailer Park area. A Diesel power unit was obtained from Suffolk County AFB to solve the problem temporarily.

During the reporting period the SAGE Operations Personnel participated in three Sioux Arrow missions. At no time during these exercises was the capability to accomplish the 773D's mission deterred.

A Ground Safety Council was established during this period and the first meeting was conducted on 10 May 1960. Numerous Ground Safety programs were put into effect during this reporting period.

Captain Marion B. Hitt, Unit Supply Officer, was relieved from duty for an overseas assignment. He was replaced by CWO Arie C. Van Kleef on 20 June 1960.

CWO Robert L. Westfall was assigned to the Radar Maintenance Section during this reporting period.

1/Lt Luther G. Morris, Personnel Officer, has been selected for assignment to Goose AB, Labrador, with estimated departure date in November.

COMMUNICATIONS SECTION:

1. Personnel:

a. During this reporting period, one airman was reassigned to Stewart AFB, N. Y.

2. Projects:

a. GEEIA emergency rehabilitation of switchboard equipments was accomplished between the period 4-12 April. A total of 210 manhours were used in completing this project.

b. One Klystron, VA-800, was installed in the TROPO System, Power Amplifier #1, on 15 April.

c. On 25 April, FAA installed a tape recorder monitor on all VHF channels by utilizing recorder jacks on AN/FTA-13 test board. Recorder jacks are bridged to furnish a common output for all channels.

d. Remainder of Seaward Extension equipments were shipped from this Station on 10 May. A change of SAGE frequency channelization took place this same date, a reversal of channels 4 and 7.

e. Two representatives of Electronic Communications, Inc., were on station during the period 14-16 June, to take field strength measurements for a proposed Airborne Long Range Input Installation. Settings and measurements were taken at the Transmitter Site and at an old Army bunker.

f. Rehabilitation of telephone lines in the Height Ranger Indicator room and AN/FST-2A monitors to conform to Telco specifications was completed 23 June by personnel of this section.

3. Problem areas:

a. On 26 June 1960, there was a complete failure of commercial power to the Camp Hero trailer park area, leaving all trailers without power. A diesel unit was obtained from Suffolk County AFB and all trailers in the area were wired into the unit. At the end of this reporting period, commercial power had not been restored to the Camp Hero area.

PERSONNEL AND ADMINISTRATION:

1. Personnel:

a. One Lieutenant, AFSC 7321 has been selected for assignment to Goose AB, Labrador, with estimated date of departure in November.

b. One Lieutenant, AFSC 7021, has been selected for AFIT training in Graduate Psychology at Purdue University. Estimated departure date is 22 August.

c. One A1C, AFSC 73250, is being assigned to duty with this section in August 1960.

d. One NCO, AFSC 70270, is being assigned to this section with probable duty as Personnel Superintendent, AFSC 73290, his estimated date of arrival will be in November 1960.

2. Projects:

a. During this period, all Squadron publications requirements lists were reviewed and brought up to date.

b. Record Control Schedules for each section were reviewed and brought up to date.

3. Problem Areas:

a. The shortage of qualified personnel specialists to perform the mission of this section has caused many problems. During the last month of this reporting period, one A1C (Personnel Specialist) carried the complete workload of this section, however, the projected gains for this section should soon clear up this problem.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
JOHN W. WEINIG, Major, USAF	John W. Weinig

b. This Squadron continues to operate without a qualified mail clerk. Men from other sections are assigned on a temporary basis. This, in addition to causing a personnel strain to the other sections involved, ties up the Sgt Major for a period of at least several weeks while he trains the new clerk.

FOOD SERVICE SECTION:

1. Personnel:

a. One NCO, AFSC 62250, was assigned to this section on 28 June 1960.

2. Projects:

a. During the month of April 1960, this section served an average of 103 rations under normal operating conditions.

b. During the month of May 1960, an average of 102 rations were served.

c. During the month of June 1960, an average of 84 rations were served.

3. Problem areas:

a. None.

RADAR MAINTENANCE SECTION:

1. Personnel:

a. Personnel gains during this reporting period were one CWO-3, one TSGT and five A2C. Two NCOs and two airmen were lost during this period.

2. Projects:

a. Depot level maintenance was performed from 9 June until 15 June 1960, on the FPS-6 #0, and from 15 June to 24 June 1960, on the FPS-6 #1 radar units.

3. Problem areas:

a. During the first part of this reporting period, three airmen were sent TDY to this section from Palermo AFS, due to personnel shortages.

MEDICAL SECTION:

1. Personnel:

a. Personnel assigned to this section - no changes within this reporting period.

2. Projects:

a. There were two emergency admissions during this reporting period. The first was for a suspected appendicitis condition, thir case was evacuated to Suffolk County AFB dispensary for treatment immediately after being interviewed by the Medical Standby.

b. The second case was evacuated to the Southampton Hospital, Southampton, Long Island, New York, for lacerations and compound fractures of the 2nd and 3rd fingers left hand. The patient had caught the two fingers of his left hand in a wood cutting planer in the Station Hobby Shop.

3. Problem areas:

a. None.

AIR POLICE SECTION:

1. Personnel:

a. One airman (A1C) was placed on TDY during this reporting period to the 6th ADM Squadron at Suffolk County AFB, and will only be returned upon other airmen being assigned to the 6th ADM through pipeline status.

2. Projects:

a. None.

3. Problem areas:

a. The problem still facing this section is the lack of qualified personnel.

OPERATIONS SECTION:

1. Personnel:

a. Personnel changes for this section have been stable during this reporting period.

2. Projects:

a. During the period covered in this report, the SAGE Operations personnel participated in three Sioux Arrow Missions. At no time during these exercises was our capability to accomplish our mission deterred. Several new innovations were adopted, in that this section was able to assist the Direction Center by utilizing a surveillance tracking environment to aid the computer to continue tracking aircraft, when data deteriorated.

b. During this period, four airmen took their APT tests for the 27350A AFSC. At the end of this reporting period, the test results had not yet been received.

c. On authority of ADPTR-O, dated 23 May 1960, this section was instructed to change the CAFSC of all SAGE personnel to 27330B. It is expected that the Direction Center will fully train these airmen for integration into all phases of the SAGE system. A team, consisting of a Chief Master Sergeant and Technical Sergeant from the Air Training Command visited this section in an attempt to coordinate the best ways and means of accomplishing the above training.

3. Problem areas:

a. None.

SUPPLY SECTION:

1. Personnel:

a. During this reporting period, the Supply Officer (Capt) was relieved from duty for an overseas assignment. He was replaced by one CWO (W-3) on 20 June 1960. One airman was assigned to the section.

2. Projects:

a. The painting of the Supply bunker which was started on 8 March 1960, was completed 10 May 1960. On 20 May 1960, the AN/GPA-37 Radar Course Directing Group was turned in to Rome Air Force Depot. The project to turn-in the GPA-37 spares, consisting of approximately 1000 line items, was started in June and is expected to be completed by 31 July 1960. With the turn-in of the GPA-37 spares, the Tech Supply will have room for new C&E spare parts for new equipment, i.e., AN/FRT-49.

3. Problem areas:

a. None.

MOTOR POOL SECTION:

1. Personnel:

a. No changes have occurred in the personnel strength of this section during the reporting period.

2. Projects:

a. Total vehicle miles recorded over the reporting period was 37,688.

b. There was one accident in the reporting period, an airman (A2C) of the Radar Maintenance Section hit a light pole guide-wire. Estimated damage totaled 35.00.

3. Problem areas:

a. The major problem in the section is the shortage of qualified vehicle operators. An estimated two additional personnel would bring the section up to operating strength.

GROUND SAFETY SECTION:

1. Personnel:

a. On 4 April 1960, 1/Lt Robert H. Givideh and TSgt Edward R. Carfora were appointed as Ground Safety Officer and Ground Safety NCO for this Station.

2. Projects:

a. In compliance with NYADS Reg 32-1, dated 1 April 1960, a Ground Safety Council was established for this organization. The first meeting of this council was conducted on 10 May 1960.

b. Numerous Ground Safety Posters were put up on the Station in key locations.

c. An extensive water safety program was established and will continue throughout the summer months.

d. One hundred and sixteen (116) motor vehicles were given safety spot checks at the main gate during this reporting period.

e. During the month of April 1960, a number of speeding violations were reported. A highway patrol was established for a two month period. Since that time speeding violations have decreased.

3. Problem areas:

a. The current workload of the AIO section is such that some of the projects which have been proposed by the Ground Safety Section cannot be started.

b. Rubber matting which is required in high voltage areas has been on order r two months on an emergency requisition. This rubber matting has not been .eceived as of the end of this reporting period. This unit has been written up for this discrepancy in the past.

RCS: AU-D5

HISTORICAL RECORD

of the

773D Radar Squadron(SAGE)

for the period ending

30 SEPTEMBER 1960

AIR DEFENSE COMMAND

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE)Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

JOHN W. WEINIG, Major, USAF

3. CHAIN OF COMMAND (Superior echelons)

773D Radar Squadron (SAGE), Montauk AFS, N. Y., John W. Weinig, Major; New York Air Defense Sector, McGuire AFB, New Jersey, General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., Maj. Gen. Viccellio; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington, D. C., General White, Secretary of the Air Force, Washington, D. C., President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility; to accomplish radar mapping prior to transmittal of such data to NYADS; to provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture; and, provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5, dated 21 October 1958.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	8	141	14	164
ATTACHED		5		5

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

AN/FPS-6, Height Range Indicator (2 each)
AN/FPS-20, Search Radar (1 each)

Section II. COMMENTARY

A narrative of squadron activities, broken down into sections, is as follows:

Entire Squadron

During the reporting period, the mission of the 773D RADRON remains unchanged.

The Squadron participated in three Sioux Arrow missions and Operation Sky Shield.

On 12 Sept 1960, Hurricane Donna struck this Station with heavy rain and winds near 100 knots. No damage to Air Force property was reported except a few power lines were knocked down by falling trees. Approximately 250 civilians from Montauk to East Hampton and members of Air Force families were sheltered in the Supply Bunker during the storm. Of these, approximately 110 were children under four years of age. The Food Service Personnel served two meals during this period.

COMMUNICATIONS SECTION:

1. Personnel:

a. During this reporting period, five airmen were administered APT 30452 and all received a qualifying score.

b. Three airmen, AFSC 30452 were assigned.

c. Two airmen, AFSC 30452 were discharged.

d. One TSgt, AFSC 30472 was reassigned to Labrador.

e. One TSgt, AFSC 30473 was reassigned to Turkey.

f. Two airmen, AFSC 291XO were discharged.

2. Projects:

a. Two manual circuits - GP-2039 to Boston ARTC and GP-2042 to New York International Airport were disconnected during July.

b. During August, two switchboard lines - GP-13727 and GP 13728, were installed to Highlands AFS, N. J.

c. Pre-installation inspection of AN/FRT-49 and AN/GKA-5 was conducted during July by Mr. Thomas H. Brown, GEEIA representative.

d. Installation of AN/FRT-49 was started by Federal Electric Company, 14 Sept 1960.

e. On 19 Sept 1960, New York Telephone Company started installation of the patch, test and alarm panel at the GATR site.

f. On 15 Sept 1960, AT&T Company assumed maintenance responsibility for the Troposcatter facility. The contract was awarded by ADC.

g. Mr. Billey E. Black, G. E. representative, conducted three courses on AN/GKA-4, Flight Control Group.

3. Problem Area:

a. None.

RADAR MAINTENANCE SECTION:

1. Personnel:

a. Two airmen, AFSC 30352 were discharged.

b. Two airmen were reassigned. One went to Griffiss AFB, N. Y., while the other went to the Air Force Academy Prepratory School.

2. Projects:

a. Acceptance test of the AN/FPS-35 began 26 August 1960.

3. Problem areas:

a. Shortage of personnel, AFSC 303X2 is the major problem of this section.

RADAR OPERATIONS SECTION:

1. Personnel:

a. Four airmen, AFSC 273XOA/B were gained.

b. One airman, AFSC 273XOA was discharged.

2. Projects:

a. An extensive training program is being conducted to cross train personnel from AFSC 273XOA to AFSC 273XOB. Personnel have been sent TDY to NYADS Direction Center for one week's familiarization and supplemental training.

3. Problem areas:

a. None

MEDICAL SECTION:

1. Personnel:

a. No change

2. Projects:

a. Six cases required hospitalization or quarters during this reporting period. Of these six, one was admitted to the 52nd USAF Dispensary, Suffolk County AFB, NY because of illness. Two were admitted to Southampton Hospital, Southampton,

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
JOHN W. WEINIG, Major, USAF	[signature]

New York, for injuries which occurred on Station, and three were admitted to the Southampton Hospital as results of automobile accidents.

3. Problem areas:

a. None.

AIR POLICE SECTION:

1. Personnel:

a. One SSGT, AFSC 77150, was assigned during this period.

2. Projects:

a. All weapons were cleaned during September.

b. Personnel of the Squadron fired either the .45 Automatic, .38 Pistol, or .30 Carbine for familiarization.

. Problem areas:

a. None.

SUPPLY SECTION:

1. Personnel:

a. Captain Joseph M. Hreachmack assumed duties of Supply Officer, relieving Cwo (W-2) Arie C. Van Kleef.

b. One airman, AFSC 64650 was discharged.

2. Projects:

a. Disposition of spares for the GPA-37 was started in September. It should be mpleted by 30 October 1960.

b. A project to rewarehouse the Supply storeroom in the FPS-35 tower was started 1 September 1960. The binning of spares in accordance with AF warehousing procedures will take approximately four months.

3. Problem areas:

a. Personnel shortage is the only problem.

PERSONNEL AND ADMINISTRATION:

1. Personnel:

a. One Lieutenant, DAFSC 7021 was reassigned to Hq AFIT for training in Graduate Psychology at Purdue University.

b. One Lieutenant, DAFSC 7024 was reassigned to Sioux Lookout, Canada, for duty in AFSC 1741A.

c. One SSgt, AFSC 73250, was reassigned to ROTC duty at Penn State University, University Park, Pennsylvania.

d. One airman, AFSC 73250 was assigned.

2. Projects:

a. None.

3. Problem areas:

a. Shortage of one NCO, AFSC 73290 is the major problem.

MOTOR POOL SECTION:

1. Personnel:

a. One SSGT, AFSC 60350 was reassigned for retraining.

b. Two airmen, AFSC 60330, were reassigned to Canada.

2. Projects:

a. None.

3. Problem areas:

a. Shortage of personnel is the problem at present. Three drivers are authorized but none are assigned at the end of this period.

FOOD SERVICE SECTION:

1. Personnel:

a. No change.

2. Projects:

a. This section furnished two meals to approximately 250 civilian and members of AF families during Hurricane Donna, 12 Sept 1960.

3. Problem areas:

a. None.

GROUND SAFETY SECTION:

1. Personnel:

a. No change

2. Projects:

a. Inspections of the C&E sections were conducted to determine any unsafe conditions.

b. A Compulsory Driver Training Course was conducted for personnel under 25 years of age who had not attended such a course.

c. A playground was built to keep children from the swamp area and off the streets.

d. Resuscitators were requested for various sections.

3. Problem areas:

a. None.

RCS: AU-D5

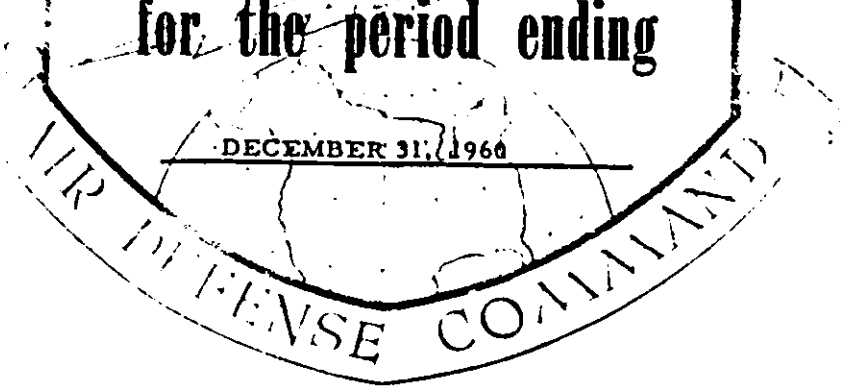
HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

DECEMBER 31, 1960



ADC FORM MAY 58 102

P.C. 5310

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION	2. NAME AND GRADE OF COMMANDER
773D Radar Squadron(SAGE)Montauk, NY	JOHN W. WEINIG, Major, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773D Radar Squadron (SAGE), Montauk AFS, N. Y., John W. Weinig, Major; New York Air Defense Sector, McGuire AFB, N. J., General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., Maj. Gen. Viccellio; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington, D. C., General White, Secretary of the Air Force, Washington, D. C., President of The United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)*

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility; to accomplish radar mapping prior to transmittal of such data to NYADS: to provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander; in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dated 7 November 1960.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	8	124	19	151
ATTACHED		18		18

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-20
2. AN/FPS-6
3. AN/FPS-14
4. AN/UPX-6
5. AN/FST-1
6. AN/FST-2
7. AN/FSW-1
8. AN/FSA-10
9. AN/GPX-7A

Section II.	COMMENTARY

A narrative of Squadron activities, broken down into sections, is as follows:

Entire Squadron

During the reporting period, the mission of the 773D RADRON remains unchanged.

The Squadron participated in three Sioux Arrow Missions during this reporting period.

COMMUNICATIONS SECTION:

1. Personnel:

a. Civilian authorizations for four additional power men and two additional Air Conditioning Specialists were filled during December 1960.

b. A2C Schuur and A2C Spangberg completed three (3) weeks of GKA-5 School at McGuire AFB, N.J.

c. MSgt Simister and TSgt Carfora attended RCA Factory School, Cherry Hill, N.J. on AN/GKA-5 from 4 October 1960 to 29 November 1960.

d. TSgt Carfora promoted to MSgt 1 December 1960.

e. MSgt Simister assigned duties as C&E NCOIC and C&E Maintenance Inspector as of 4 December 1960. MSgt Carfora appointed as NCOIC of the GATR Site as of 4 December 1960. Squadron personnel assigned to perform duties at the GATR site as of 4 December 1960.

f. Two Management Improvement Suggestions were honored. A1C Ortlieb received $25.00 from ADC. A2C Carlson received an ADC Letter Award.

2. Projects:

a. A Federal Electric Contract Installations Team began the installation of the AN/GKA-5 and the AN/FRT-49 Data Link equipment during this period.

b. The 2861st GEEIA Squadron Team also arrived and began the installation of equipment for the relocation of transmitters and receivers to the GATR Site.

c. One each Klystron VA-800 was installed in the Tropo System on 28 December 1960.

3. Problem Areas: None.

RADAR OPERATIONS SECTION:

1. Personnel:

a. A training course relating to operation of the "MAJAC" console, primary control unit of Radar Set AN/FPS-35, was conducted by Capt. Robert H. Gividen, Squadron C&E Officer. CWO W-2 Harold L. Porter, Sage Operations OIC; TSgt Edward J. Bradley, SAGE Operations NCOIC; TSgt Francis J. Huffman, TSgt James H. Deeley, and SSgt John R. Mark, all of SAGE Operations completed the five days of training.

b. On 10 November 1960, CWO W-2 Harold L. Porter replaced Capt Robert H. Gividen as SAGE Operations Officer when Capt Gividen was promoted to Squadron C&E Officer. CWO Porter reported from the Aleutian Islands where he served as Commander, Driftwood Bay Dew Line Station.

2. Projects:

a. In view of the limited overall SAGE training capability at this Station, a program was developed at NYADS to cross train airmen in the 273XOB shredout. To date, eighteen (#18) airmen from this organization have successfully completed the course and were awarded course completion certificates. All of these airmen were awarded the "B" suffix at the same primary skill level previously held in the "A" suffix.

3. Problem Areas: None.

INSTALLATIONS SECTION:

1. Personnel: No change.

2. Projects:

a. Engines Number 2 and 3 in the GATR Power Plant were overhauled by the 26th AD RADEM Team and are now fully operational.

b. The GATR Power Plant was accepted on 2 November 1960 and 24 hour operation commenced on 3 November 1960.

c. The BCD for the Station Power Plant was accomplished on 30 November 1960 and we assumed operation on an "as required" basis.

d. Rehabilitation of Well #1A, Water Table Survey of the Area, rehabilitation of Barracks exteriors, refirebricking of furnaces, replacement of housing road and painting of four (4) concrete buildings were projects completed during this period.

3. Problem areas: None.

MEDICAL SECTION:

1. Personnel

a. SSgt Jeanguenat was promoted to TSgt.

2. Projects

a. There have been four (4) cases which required hospitalization during this reporting period. One for dental surgery, one for continued surgery for an old amputation of the tips of the first and second fingers on the left hand and two due to automobile accidents. There has been no quarters cases nor any epidemics during this quarter.

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TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
JOHN W. WEINIG, Major, USAF	John W. Weinig

b. The first room on the left side (upstairs) is being changed to a Medical Dayroom. Completion of project should be 20 January 1961.

3. Equipment: A 1959 Ford Station Wagon was received by the Medical Section to utilize as an ambulance.

4. Problem Areas: None.

AIR POLICE SECTION:

1. Personnel:

a. One A1C, AFSC 77150, assigned during this quarter.

b. MSgt Deggans attended the ADC NCO Academy.

2. Projects:

a. A study has been made to place in effect a new station badge system due to current badges being over 2 years old. Estimated cost will be .38¢ per badge for approximately 200 badges.

3. Problem Areas: None.

SUPPLY SECTION:

1. Personnel:

a. The assignment of TSgt Curran, PAFSC 64670, A3C Shull, PAFSC 64630, and A3C Diaz, PAFSC 64610, during the quarter brings the current Supply manning to 100% of authorized positions. SSgt Ray T. Lane was reassigned to Goose Bay, Labrador.

2. Projects:

a. Complete disposition of AN/GPA-37 electronic spares was made on 17 October 1960, six hundred (600) line items valued at approximately $50,000.00 were turned in. All necessary bins for the warehousing of Sperry electronic spares used with the AN/FPS-35 were received from Suffolk County Air Force Base on 3 November 1960. The Sperry spares are being binned, and are 85% completed. This project is scheduled for completion on or about 28 February 1961. On 15 December 1960, $14,224.30 worth of excess telephone equipment was turned in.

3. Problem Areas: None

PERSONNEL AND ADMINISTRATION:

1. Personnel:

a. 1/Lt Luther G. Morris, PAFSC 7324 reassigned to Goose Bay, Labrador. Lt Willis L. Shore, PAFSC 7324, reported for duty from Barrington, Nova Scotia.

2. Projects:

a. Reorganization of the Personnel Section was initiated in order to absorb and administer the Information Services and Education Services programs. This was necessary since neither function has authorized or assigned personnel at this Squadron.

3. Problem Areas:

a. The shortage of one NCO, AFSC 73290 remains a major problem.

MOTOR POOL SECTION:

1. Personnel:

a. Gained two airmen, AFSC 60310 during quarter. Now have enough drivers assigned to do the majority of driving from within Motor Pool resources.

2. Projects:

a. The twenty-nine passenger bus sent to Suffolk County AFB. The 1956 Plymouth Station Wagon was dropped to salvage. The Station was given one Metro Van for maintenance personnel.

GROUND SAFETY SECTION:

1. Personnel:

a. CWO (W-2) Harold L. Porter, was assigned duties as Ground Safety Officer, relieving Captain Gividen.

2. Projects:

a. A special safe drive project of inspecting all vehicles and giving lectures to all personnel was conducted in preparation for the Christmas/New Year Holiday weekends. No reportable accidents during the holidays.

b. A survey is being made to determine the personnel assigned and under 25 years of age who have not had the mandatory drivers training course. The Drivers Training Course will be conducted again during the next quarter.

c. A Bulletin Board has been set up for the exclusive use of the Ground Safety Section.

3. Problem Areas: None.

SPECIAL SERVICES SECTION:

1. Personnel:

a. This Squadron has one airman, AFSC 74151, authorized and forecast for assignment during January 1961. This function is currently performed by personnel in their spare time; therefore, assignment of an authorized airman will greatly relieve the workload.

2. Projects:

a. The three squadron boats were taken out of the water for winter storage. The 19 foot boat is in the Auto-Hobby shop and is undergoing repairs and reconditioning.

b. The three outboard motors were placed in the repair shop to be reconditioned for the next season.

c. Requisitions have been submitted to Base Supply for Photographic equipment f the Station photographic hobby shop.

3. Equipment:

a. The Unit Fund purchased a 1957 Willys Jeep Station Wagon to be used by the Personnel Services Section.

4. Problem Areas: None.

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

31 MARCH 1961

AIR DEFENSE COMMAND

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

JOHN W. WEINIG, Major, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773D Radar Squadron(SAGE) Montauk AFS, N. Y., John W. Weinig, Major; New York Air Defense Sector, McGuire AFB,NJ.BrigGeneral Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., Maj. Gen. Viccellio; Air Defense Command, Ent AFB, Colorado, General Atkinson; Headquarters USAF, Washington, D. C. General White, Secretary of the Air Force, Washington, D. C., President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS; to provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander; in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dated 7 November 1960.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	7	138	21	166
ATTACHED	1	19		20

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-20
2. AN/FPS-6
3. AN/FPS-14
4. AN/UPX-6
5. AN/FST-1
6. AN/FST-2
7. AN/FSW-1
8. AN/FSA-10
9. AN/GPX-7A

Section II.	COMMENTARY

A narrative of Squadron activities, broken down into sections, is as follows:

Entire Squadron

During the reporting period, the mission of the 773D RADRON remains unchanged.

The Squadron participated in three Deep River Missions during this reporting period.

COMMUNICATIONS SECTION:

1. Personnel:

During this period Communications lost a teletype mechanic, an outside wire maintenance technician and four radio maintenance technicians to transfers. We gained replacements for the teletype mechanic and two radio maintenance people.

2. Projects:

a. The C-E Scheme for a communications cable between our main frame and the AN/FPS-35 Tower, #11-C1-NY17-2A11A-80011-2483AO-B was completed.

b. Schemes for the relocation of the Transmitters and Receivers to the GATR Site, #DD-C1-NY17-00000-R-1175-1444W1-B and #40-C1-NY17-2A23A-R-1175-1095A-B-40 are progressing rapidly. Estimate a completion early in April.

c. Scheme #258-ADC-NY17-1175-AMCMA-621A7-258 which provided multi-couplers for the GATR Site was completed.

d. Scheme #10-C1-NY17-2A23A-R-1175-0923A9-A-12 which provided for the installation of the AN/GKA-5 and the AN/FRT-49 equipment was finished, the AFTO Form 88's are signed but no facility acceptance forms were made as material channels cannot as yet support the equipment.

e. Scheme #11-C1-NY17-2A11A-X-1102-861R1-B which directed the removal of the AN/FSA-10 was completed and the equipment is awaiting disposition instructions.

f. The proposal for simultaneous operation of the UHF and VHF emergency frequencies was cancelled by ADC and therefore was not installed during the relocation of equipment.

3. Problem Areas: None.

RADAR OPERATIONS SECTION:

1. Personnel:

a. Discharged

Ortlieb, Richard C., A1C
Merrill, Samuel, Jr., A2C
Quickley, John A. Jr., AB
Carlson, Carl D., A2C
Powell, Joseph B. Jr., A2C

b. Gains.

Phillips, Richard A., SSgt
Bond, Clemmon, C. Jr, A2C
Bushek, John A., A2C
Knuppenburg, Herman W., A2C
Oppenheimer, Richard, A2C

c. Promotions.

Westfall, Robert L., to CWO W-4.
Jaycox, Larry B. to A1C
Leckman, Dean P. to A1C

d. Philco Augmentation Representative-Mr. Richard R. Werner, assigned 16 January 1961.

e. All Radar Maintenance personnel on shift duty from 5 Feb 61 to 1 Apr 61 worked an average of 56 hours per week.

2. Projects:

a. AN/FPS-6 antennas mechanically reinforced 22 Jan 61.

b. Gap Filler, AN/FST-1 Mod 521 completed 31 Mar 61.

c. AN/fST-2 - had depot overhaul on 10 March 61.

d. Two each AN/FPS-6 Radomes painted on 7 Feb 61.

e. Gap Filler azimuth driver motor installed on 31 Mar 61.

3. Problem Areas: None

SAGE OPERATIONS SECTION:

1. Personnel:

a. Gains.

A2C Richard C. Johnston, 27350B
A2C Andrew J. Ellis, 27350B
A2C Allan Pearlman, 27330A
A3C Clement J. Gulla, 27350B
A3C Gordon D. Holle, Jr. 27330B

b. Losses.

A2C John D. Mastrianni - Discharged.

c. Hospital.

A3C William G. Brown (Hospitalized during the entire reporting period).

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
JOHN W. WEINIG, Major, USAF Commander	John W. Weinig

d. Training conducted. The following training was conducted during this period:

(1) NYADS. The personnel listed below attended training relating to Direction Center Operations at NYADS. The purpose of this training was to familiarize personnel with DC Operation necessary to augment skills required for up-grading to the "B" level. Upon completion of this training, each individual was awarded the "B" suffix at the same level previously held as an "A" (Manual Ops).

TSgt Martin J. McDonnell
A1C Lucien J. Gendreau
A1C Donald L. Wolfe
A1C Raymond E. Lamb
A2C Darwin L. Harrell
A3C Charles Harriman

(2) MAJAC Training. A one week course to train additional MAJAC Operators for operation of the AN/FPS-35 was conducted by Capt Robert H. Gividen, C&E Officer, and CWO W-2 Harold L. Porter, SAGE Operations Officer and Assistant ECCM Officer. The following personnel attended the course and was subsequently assigned to duty as MAJAC and/or DMCC Operators.

TSgt Francis J. Huffman
TSgt John R. Mark
TSgt Clyde S. Nason
SSgt Lawrence Peters
SSgt Alfonso W. Smith
A1C Raymond E. Lamb
A2C Darwin L. Harrell
A2C Larry Hillman

2. Projects - None

3. Problem Areas - None

DMCC SECTION:

1. Personnel:

a. TSgt Huffman was assigned as NCOIC of the Data Monitor Coordination Center.

b. The DMCC Section became active as a separate section of Radar Maintenance. The following named airmen were selected to fill the DMCC Tech position and two weeks of training were administered to thoroughly familiarize them with this position:

(1) A1C William Childs
(2) A1C Raymond E. Lamb
(3) A2C Darwin L. Harrell
(4) A2C Larry Hillman

c. A new log system was incorporated into the DMCC section as of this date. This system is more legible and more informative and keeps the Commander and the C-E Officer better informed of equipment status and discrepancies, including

the problems encountered correcting these discrepancies.

d. The selection of four NCOs from the Operations Section were made to assume the duties of MAJAC Operators and DMCC Supervisors. These NCOs were given a MAJAC Operator's Training Course conducted by the C-E Officer.

TSgt John Mark
TSgt Clyde Nason
SSgt Lawrence Peters
SSgt Alfonso Smith

e. The FPS-35 Radar become operational with limited capabilities due to the fact that only one system was made available. The NCOs mentioned in paragraph 4 assumed the duties of MAJAC Operators and DMCC Supervisors. Logs and operating procedures were placed into effect during this reporting period.

f. During February, the FPS-35 encountered a large amount of down time. The four MAJAC Operators were then temporarily reassigned to the Data Monitor Coordinating Center.

2. Projects:

a. A project to completely revise and redraft the status board has been completed. This new status board makes available to concerned personnel, the status of every piece of component equipment contained in the Squadron. This was accomplished through the combined efforts of TSgt Huffman and TSgt Nason.

b. Forecasted planning has been initiated to relocate and combine the DMCC, MAJAC and height sections. These sections would be placed into one room, thus giving full supervisory control to the DMCC Supervisor.

c. A new form was initiated into the DMCC section concerning Solar Testing. This new form gives much needed information for this important test.

d. A new board was put into use in the MAJAC section indicating individual on duty and the standby electronic warfare officer.

e. A revised version of the "Radar and Communications Outage Report" has been accomplished as of this date. This report allows the Commander and the C-E Officer to have a completed and combined report of all outages and corrective actions to correct these deficiencies for a 24 hour period.

f. During the month of March the FPS-35 Radar encountered a series of maintenance problems, thus delaying its use as prime search.

3. Problem Areas: None

MEDICAL SECTION:

1. Personnel - No change

2. Projects - None

3. Problem Areas. The building which houses the dispensary is in need of

rehabilitation and is scheduled for the next quarter.

AIR POLICE SECTION:

1. Personnel. No change

2. Projects:

a. All personnel on this Station were issued new security badges.

b. All privately owned vehicles were registered for the year 1961.

3. Problem Areas. None

PERSONNEL AND ADMINISTRATION

1. Personnel. No change

2. Projects. All personnel records due to be transferred to NYADS on 15 May 1961. Therefore, a complete audit and reaccomplishment of records is being done.

3. Problem areas. The shortage of one NCO, AFSC 73290 remains a major problem.

SUPPLY SECTION

1. Personnel. No change.

2. Projects. Project "Let Loose" was completed on 14 February 1961. A total of 1,299 items of supplies and equipment were turned in, valued at $136,341.13. Project "Money Tree" was started on 15 February 1961. A complete revaluation of this organization's UAL was accomplished on 31 March 1961, and forwarded to 26th Air Division. One result of the revaluation was, a total of 347 items were declared excess and were turned into Base Supply. The UAL items were valued at $20,146.90. The warehousing of AN/FPS-35 spare parts was completed on 15 March 1961. This project involved approximately 10,000 line items of spare parts used in maintaining the AN/FPS-35 Radar Set.

3. Problem Areas. None.

SPECIAL SERVICES SECTION:

1. Personnel. No change

2. Projects:

a. The three Squadron boats being readied for the summer season.

b. The Squadron softball team practicing and preparing to enter the local league.

3. Problem areas. None

INSTALLATIONS SECTION

1. Personnel:

Two (2) additional airmen were assigned the Power Production Section. This Section is still undermanned by assigned personnel. TDY personnel are filling out the requirements. NYADS has been extremely cooperative in keeping our strength up in this section. Spares continue to be requisitioned as their requirement becomes known. The new plant is shaping up but will not be complete for some time.

2. Projects:

a. Two contracts for air conditioning work have been let.

b. Allied construction for the future ALRI Site started and is progressing very well. Anticipated completion date is 29 April 1961.

c. New combination storm and screen doors were installed in the housing area. This should continue to save on heating expense.

d. A tentative budget was submitted. This was to cover the balance of this year's projects not yet completed and to include new requirements for FY-62.

3. Problem areas: None.

GROUND SAFETY SECTION

1. Military and Civilians Non-Disabling Injuries - During this reporting period, this organization experienced one on-duty and two off-duty non-disabling injuries among military personnel, and one non-disabling injury to civilian personnel.

2. Reportable Accidents - A total of two reportable motor vehicle accidents were incurred during this period.

3. Meetings of the Ground Safety Council - A meeting of the Ground Safety Council was conducted each month. The following officers and NCOs were appointed to the Safety Council. Major John W. Weinig, Capt Robert H. Gividen, Capt Joseph M. Hreachmack, Lt Willis L. Shore, CWO-2 Harold L. Porter, CWO-2 Arie C. Van Kilef, and MSgt Edward R. Carfora, SMS Forrest Scott, TSgt Edward J. Bradley, TSgt Arthur E. Cumming.

4. Ground Safety NCO - TSgt Edward J. Bradley was appointed as Ground Safety NCO, replacing SSgt Herbert Lyons.

5. Quarterly Safety Program Package - All information and procedures outlined in the Quarterly Safety Program Package were implemented as required.

6. Ground Safety Inspection - A safety inspection of all sections was conducted by the Ground Safety Officer and NCO.

7. Life Saver Award - A2C Haskell W. Salley, was named second prize winner of a 1961 Studebaker Station Wagon, given in the ADC Life Saver Campaign. The new wagon was presented to Airman Salley at the Studebaker factory during ceremonies attended by Company officials, ADC representatives and CWO Harold L. Porter, Squadron Ground Safety Officer and MSgt Edward R. Carfora.

RCS: AU-D5

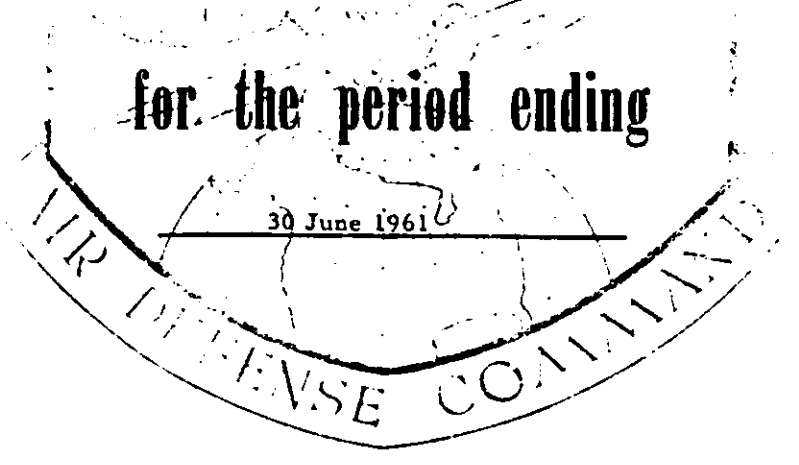
HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

30 June 1961



ADC FORM MAY 58 102

P.C. 9310

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

GEORGE W. CARD, Major, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., George W. Card, Major; New York Air Defense Sector, McGuire AFB, N.J., Brigadier General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., Maj. General Viccellio; Air Defense Command, Ent AFB, Colorado, General Lee; Headquarters USAF, Washington D. C., General LeMay, Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS: TO PROVIDE the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dated 7 November 1960).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	8	134	21	163
ATTACHED	0	17		17

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-20
2. AN/FPS-6
3. AN/FPS-14
4. AN/UPX-6
5. AN/FST-1
6. AN/FST-2
7. AN/FSA-10
8. AN/FSW-1
9. AN/GPX-7A
10. AN/FPS-35

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into sections, is as follows:

Entire Squadron

Major George W. Card assumed command of the Squadron on 27 April 1961, upon departure of Major John W. Weinig, for an overseas assignment. The mission of the Squadron remained the same.

The addition of Camp Hero to this Station's land area now gives the Installations and Security and Law Enforcement Sections almost 500 acres to protect from fire and to patrol to insure adequate security. The AN/FPS-35 tower becoming operational has necessitated an additional Air Police post also. Appropriate UMD change requests for firefighters and additional Air Policemen have been submitted.

The Squadron participated in three Deep River missions during this reporting period.

COMMUNICATIONS SECTION

Personnel:

This Section gained six and lost five airmen during this quarter, therefore, the status of personnel has not appreciably changed.

2. Projects:

All personnel this Squadron in AFSC 304XX are attending either Course ADS 30452-16 or ADS 30452-17 on AN/FRT-49. This course was arranged by ADC-ATC and instructors were sent from Keesler AFB, Mississippi. The initial course started 19 June 1961 and the final course will be completed on 23 August 1961.

3. Problems: None

4. General:

Operation ceased 15 June 1961 on the AN/GKA-4. This equipment is being shipped to Suffolk County AFB, N. Y. by instructions from GEEIA Headquarters. All 13 DB pads were removed from receivers at GATR on 19 June 1961, in order to give higher level input required at Telco. The AN/FRT-19 was put on the air with antenna for the first time on 26 May 1961. The ROAMA antenna team arrived on [redacted] to check out two AS-505/GR antennas and one RC-81 antenna. Repairs were made and the team departed.

RADAR OPERATIONS SECTION

1. Personnel - No change.

2. Projects:

a. On the 14th of May 1961, at 1418 local, the AN/FPS-35 Frequency Diversity Radar was phased into the SAGE environment. While this does not change the basic functions of the SAGE Operations Personnel, it does add a tremendous capability to the performance of their duties during extreme Electronic Counter Measure conditions. The versatility of this particular radar in combating ECM makes the task of obtaining accurate and reliable information more possible than ever before under the SAGE concept.

ECE SECTION

1. Personnel:

Captain Whiting replaced Captain Gividen as Squadron C&E Officer. Captain Gividen departed for Thomasville, Alabama, to attend a course of instruction in the AN/FPS-35 Radar. Upon return to this Station, Captain Gividen will replace CWO W-4 Westfall as Radar Maintenance Officer. The C&E Section has been reorganized to better utilize the NCO's. All DMCC and MAJAC functions were assigned to the SAGE Operations Section. All functions will become a combined operation with emphasis on cross training of all personnel. An Officer was assigned to the AN/FPS 35 for the purpose of establishing harmonious relations with the FAA people assigned to maintain the gear and to indoctrinate them in Air Force maintenance requirements and SAGE operations requirements.

2. Problem Areas:

Efficient operation of the C&E section is being severely hampered by the constant reassigning of 5 and 7 level people to overseas areas. This problem will become very acute with the loss of four 30352's in the first quarter of fiscal year 1962.

3. General:

The AN/FPS-35 operated in the SAGE system the last six weeks of this quarter with a reliability factor of 96%.

SECURITY AND LAW ENFORCEMENT SECTION

1. General:

Two reserve airmen were ordered to active duty for thirty days and given necessary training and indoctrination. All air policemen fired for qualification in accordance with the USAF Small Arms Marksmanship Training Program.

PERSONNEL AND ADMINISTRATION

1. Personnel:

This Squadron is now authorized and assigned only one Personnel Specialist due to the loss of personnel records.

2. Projects:

All personnel records were audited and corrected prior to 15 May 1961. The personnel records, morning report and related reports were transferred to the Consolidated Personnel Records Center, 52nd Fighter Group, Suffolk County AFB, N. Y.

3. Problem Areas: None

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
GEORGE W. CARD, Major, USAF	

BASE CIVIL ENGINEER SECTION

1. Projects:

a. The following contracts were awarded:

1. Modification of the SAGE Building Air Conditioning System tc utilize outside air.

2. Overhaul of the SAGE Annex Air Conditioning equipment.

3. Rewinding of one (1) shorted transformer in the Operations Area.

4. Rewinding of nine (9) transformers to provide proper power to the AN/FPS-35 tower.

5. Replacement of the steam condensate return line from Barracks 109 to the heating plant.

b. On 15 June 1961, the primary power plant was restored to a normal 4160 volt out-put following the rewinding of the nine (9) transformers which service the AN/FPS-35 tower. Generator operating effectiveness has increased and no power problems have been encountered inthe radar tower.

GROUND SAFETY SECTION

1. Personnel:

On 24 May 1961, a new Ground Safety Council was formed. The members are as follows: Major George W. Card, Captain Joseph M. Hreachmack, 1/Lt Willis L. Shore, CWO W-2 Arie C. Van Kleef, CWO W-2 Harold L. Porter, SMS Guyton M. Ingram, MSgt Edward R. Carfora, TSgt Edward J. Bradley, TSgt Arthur E. Cumming, TSgt James H Deeley. During the period covered in this report there were 5 military non-disabling accidents and no civilian disabling accidents. A total of one (1) reportable motor vehicle accident occurred.

. Projects:

a. A booklet on the proper safety measures to be utilized, when working around highly dangerous electronic equipment, was distributed to all personnel concerned. The painting of cable troughs, which has presented a ground safety hazard, has been accomplished by applying non-skid paint.

b. The annual ADC Life Saver Campaign is in the early stages of implementation and upon the drawing for a Squadron safety award, the pledges will be forwarded to 26th Air Division.

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

30 SEPTEMBER 1961

AIR DEFENSE COMMAND

ADC FORM 102

A-3197

Hist 23

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION	2. NAME AND GRADE OF COMMANDER
773D Radar Squadron(SAGE) Montauk, NY	GEORGE W. CARD, Major, USAF

3. CHAIN OF COMMAND (Superior echelons)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., George W. Card, Major; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., Major General Viccellio; Air Defense Command, Ent AFB, Colorado, General Lee; Headquarters USAF, Washington D. C., General LeMay, Secretary of the Air Force; President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS. To provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 date 7 November 1960).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	9	137	20	166
ATTACHED	0	17		17

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-20
2. AN/FPS-6
3. AN/FPS-14
4. AN/URX-6
5. AN/FST-1
6. AN/FST-2
7. AN/FSA-10
8. AN/FSW-1
9. AN/GPX-7A
10. AN/FPS-35

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into sections, is as follows:

ENTIRE SQUADRON

The Mission of the Squadron remained the same throughout the period of this report. On 26 August 1961, the Squadron held its annual picnic and field day. Hamburgers, hot dogs and a variety of cold cuts and refreshments were served. Softball, volleyball, sack races and guessing games helped make this a highly successful Squadron function. A variety of pictures were taken and are on file at the Squadron for future historical purposes.

The Squadron participated in two "Deep River" and one "Sioux Noose" exercise during this reporting period.

During the week of 18-23 September, Hurricane "Esther" arrived and departed this area. On Monday and Tuesday of that week, the Squadron prepared itself for the full impact of Hurricane Esther. All on-Station personnel and their dependents were alerted and prepared for at least a one day stay in the Station Supply Bunker. Additionally, coordination was effected with Civil Defense and Law Enforcement officials of Montauk and East Hampton to arrange for shelter and assistance for any and all local civilians as required. The Station Supply Bunker is a World War II underground Coast Artillery implacement which has been converted for use as a Supply warehouse and Installations shop. It is utilized for disaster and emergency shelter and could hold approximately 500 persons. All Station personnel, their families and quite a few local civilians were evacuated into the Supply bunker for the night of 20 September and part of 21 September 1961. Very little hurricane damage was caused and the Station returned to normal around noon on 21 September 1961. Throughout the entire period, the Squadron remained 100% operational and performed its required mission.

COMMUNICATION SECTION

1. Personnel.

This Section gained five and lost four personnel during this period. The operational capability of the Section remained basically the same.

2. Projects:

a. Fifteen NCO's and airmen, AFSC 304XX attended AN/FRT-49 familiarization training course conducted at this Station by representatives from Keesler AFB, on TDY to this Station. Personnel from other NYADS Bases also attended this course, utilizing the facilities of the Base and particularly the GATR Site.

b. Representatives from TELCO visited this Station during September for pre-installation conference relative to installation of an automatic telephone system for this Station.

c. Personnel and equipment arrived during August and commenced installation of ALRI equipment in the old transmitter building.

d. During September an "Operational Net" consisting of sixteen telephones to be used during alerts to expedite incoming calls was proposed and was inaugurated during the month.

3. Problems: None.

SAGE OPERATIONS SECTION

1. Personnel. No appreciable change.

2. Projects:

a. Maintenance responsibility of the AN/FPS-35 was transferred to FAA at 0001 hours, 1 July 1961. At this time FAA possessed an assigned strength of thirteen (13) technicians including the Chief, SMS; Seven (7) Sperry technicians assigned under contract to FAA and three (3) Sperry Field Engineers under contract to ADC.

b. Lack of adequate supply of spare parts for the AN/FPS-35 plagued this system during the entire reporting period. During the periods when sufficient parts were available, the operational reliability of the AN/FPS-35 proved to be very effective.

c. In addition to the deficiency caused by short supply maintenance activities were further hampered by lack of established preventive maintenance procedures and routines, plus non-availability of cross reference lists from Sperry part numbers to Federal Stock numbers.

d. The AN/FPS-35 was removed from operation from 18-31 August 1961, due to a suspected radiation hazard within the tetrode screen room. Radiation checks were performed by the Suffolk County AFB Flight Surgeon, NYADS, FAA, AEC and Headquarters GEEIA. Results of these checks revealed absolute safety in all operating parameters of the system.

e. A total of nineteen (19) personnel exposed to the suspected hazard area underwent complete physical examinations at the Suffolk County AFB Dispensary. No defects caused by radiation were discovered.

f. A meeting was conducted at this Station in September to discuss Supply problems relating to the AN/FPS-35. This meeting was attended by representatives of this Squadron, NYADS, Benton AFS, 26th Air Division (SAGE) and Stewart AFB.

g. Bell Labs conducted interference measurements of the FPS-35 in September 1961.

h. Mr. W. W. Van Winkle, Product Service Engineer, Microwave and Power Tube Division, Raytheon, visited the Station in August 1961 to coordinate difficulties with the QK-681 Amplitron.

i. At the close of the reporting period, the following number of FAA

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
GEORGE W. CARD Major, USAF, Commander	

Maintenance Personnel were assigned: Thirty-one (31) FAA; seven (7) Sperry Personnel on contract to FAA; and three (3) Sperry Field Engineers under contract to ADC.

3. Problems: None

ECE SECTION

The entire section was reorganized with several key NCO slots being filled. All section TO and Publication files have been reviewed, screened and streamlined. Files for all assigned contract technical service personnel have been reaccomplished and are in good order for future audits.

BASE CIVIL ENGINEER

1. Personnel.

Recent losses have caused a critical shortage in the 543X0 career field at this Station. Necessary requirements have been submitted to higher headquarters, however, no relief is yet in sight.

2. Projects:

a. Construction of the ALRI screen room.

b. Rehabilitation of the two (2) 50 ton air conditioning units in the SAGE Annex.

c. Replacement of the cooling tower for the 25 ton air conditioning unit in SAGE Operations Building.

d. AN/FPS-26 tower construction (C of E).

e. Replacement of the boiler feed water line from the heating plant to the power plant.

3. Problems: None

GROUND SAFETY SECTION

1. The following Officers and Airmen were assigned as members of the Ground Safety Council on 21 August 1961:

Major George W. Card - President
Capt Joseph M. Hreachmack, Member
1/Lt Willis L. Shore - Member
CWO Harold L. Porter - Member
CWO Arie C. Van Kleef - Member
SMS Guyton M. Ingram, Member
MSGT George J. McLaughlin, Member
TSgt Edward J. Bradley, Member
TSgt Arthur E. Cumming, Member
TSgt James H. Deeley, Member

2. 100% participation was recorded in the1961 ADC Life Saver Campaign. This project was given maximum publicity and dissemination. A Squadron committee was formed to assist Ground Safety personnel in conducting this campaign. Results proved exceptionally effective with the Squadron progressing through the entire campaign period without a private vehicle accident.

3. Rubber matting was procured and installed around areas of operating communications and electronics equipment.

4. There were no traffic violations during this period.

5. Suffolk AFB BCE has established as number one priority, the installation of a protective fence along the north side of the housing area. This is an area possessing hazards to small children, i. e, snapping turtles, swamp holes, poison ivy, etc.

6. The inspection of all private automobiles prior to an individual departing on leave or pass was continued by the Security and Law Enforcement Agency. This action has aided immeasurably in eliminating private vehicle accidents.

7. Action was initiated to conduct a drive for maximum participation in the installation of seat belts in private vehicles.

8. Mr. Terrence B. Dean, Civilian, GS-11, Assistant Director of Safety, 26th Air Division (SAGE) visited this Station on 25 September 1961.

UNIT SUPPLY

1. On 1 July 1961, this organization received the responsibility of Supply Support for the AN/FPS-35 radar from the contractor. A complete inventory of all supplies in the FPS-35 tower has been accomplished. Approximately 4500 stock record cards were made out for supplies that were turned over to this organization from the contractor. A complete warehousing program was initiated and completed for the above mentioned parts. Captain Joseph M. Hreachmack, Supply Officer, made a field trip to NYADS, Stewart AFB, Griffiss AFB and 26th Air Division to gather information on support of the AN/FPS-35 radar. The information gathered on this trip was very beneficial. Captain Hreachmack attended a conference at Stewart AFB to resolve Supply problems on the AN/FPS-35.

2. Major Card, Captain Hreachmack, and TSgt Curran went to Hq ADC to accomplish the annual UAL Review. This organization received only a few minor discrepancies at this review.

PERSONNEL SERVICES SECTION

1. Personnel.

This section now has nine airmen who have volunteered their services to revamp and produce an improved personnel services and recreation program for the Squadron.

2. Projects:

a. Personnel Services has been reorganized into smaller areas of responsibility and activity in order to effectively utilize all volunteer help and all available and procurable equipment. Each hobby shop and activity will be self sufficient, but monitored by the Personnel Services NCOIC.

b. The approved two lane bowling alley will be under construction during October with a completion date of on or about 20 December 1961.

c. The very active Squadron sports program realized the following events during this quarter:

(1) Squadron softball team participated in the East Hampton League and the NYADS tournament.

(2) The first annual golf tournament was held. The Squadron First Sergeant, MSgt McLaughlin was the winner in this handicap tournament.

(3) The first annual fishing tournament was initiated and is still underway.

RCS: AU-D5

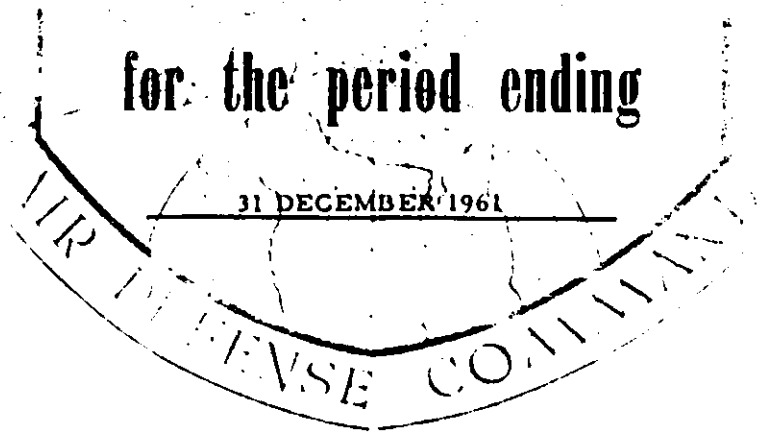
HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

31 DECEMBER 1961



ADC FORM MAY 58 102

P.C. 9810

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION	2. NAME AND GRADE OF COMMANDER
773D Radar Squadron (SAGE) Montauk, NY	GEORGE W. CARD, Major, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773D Radar Squadron (SAGE), Montauk AFS, N.Y., George W. Card, Major; New York Air Defense Sector, McGuire AFB, N.J., Brigadier General Pritchard; 26th Air Division, Hancock Field, Syracuse, N.Y., Major General Viccellio; Air Defense Command, Ent AFB, Colorado, General Lee; Headquarters USAF, Washington, D.C. General LeMay; Secretary of the Air Force; President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS. To provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dated 7 November 1960).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	9	147	21	177
ATTACHED	0	6		6

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-20
2. AN/FPS-6 - 2 each
3. AN/FPS-14
4. AN/UPX-6 3 each
5. AN/FST-1
6. AN/FST-2
7. AN/FSA-10
8. AN/FSW-1
9. AN/GPX-7A
10. AN/FPS-35
11. AN/FRT-49
12. AN/GKA-5

Section II. COMMENTARY

Narrative of Squadron activities, broken down into sections, is as follows:

ENTIRE SQUADRON

The mission of the Squadron remained the same throughout the period of this report.

Two "Deep River" exercises were performed during the period of this report. Operations personnel participated in all monthly Sioux exercises.

The NORAD ORE was conducted in December 1961. Outstanding results were achieved throughout.

The annual NYADS Assistance Visit was conducted in November. The Team Chief was Lt. Col. Robert J. Martin, Director of Communications & Electronics for NYADS.

COMMUNICATIONS SECTION

1. Personnel.

This section gained 5 and lost 3 personnel during this period. One civilian, Mr. Harry R. Seebode, Burroughs Corporation Technical Representative ALRI (Airborne Long Range Input) was assigned to this Section. Four airmen, AFSC 30452-53, started attending special classes for ALRI equipment familiarization conducted by Mr. Harry Seebode.

2. Projects and Visits:

TSGT Blair, NYADS, visited 3 Oct 61 to install on-line crypto equipment.
Lt Kagarise, BOADS, visited 10 Oct 61 for discussion of Mode II operation.
Capt Cyr and CMS Pace, 26th ADIV, visited 17 Oct 61 to inspect Crypto Center
Mr. Cox, EGEEIA Region, visited 18 Oct 61 for ALRI facility familiarization.
Capt Harris, NYADS, visited 19 Oct 61 for Staff Visit C&E facilities.
Representatives of Suffolk PMEL visited 23 Oct 61 for familiarization.
Mr. Edwin Metz and Mr. Donald J. Majka arrived 1 Nov 61 to conduct a pre-DLM survey of radio communications equipment.
Colonel Smith and party, 26th ADIV, visited the Communications facilities on 1 Nov 61.
Mr. Nixon, EGEEIA Region, and team, arrived 13 Nov 61 to remove AN/FPS-20 radar set. This was not accomplished and the team departed.
Major C. B. Duncan, Wright-Patterson AFB, 1st Lt C. H. Miller, 701st ACW Sq, Mr. Louis Mulvaney, EGEEIA, Mr. Tom Brown, EGEEIA, Mr. A. Pellegrini Western Electric, Mr. Nat Sanders, Burroughs Corp., Mr. Jones, Burroughs Corp., arrived 15 Nov 61 for installation inspection of ALRI facility. This was not accomplished and all personnel departed.
TSGT Schepers, 2861st GEEIA, visited 15 Nov 61, to reaccomplish installation inspection certificates for AN/GKA-5, AN/FRT-49 installation. This was deemed unnecessary and team departed.
Brigadier General Pritchard, NYADS, visited the Communications facilities on 21 November 1961.
Mr. Halloman, NYADS, arrived 28 Nov 61 to assist in correction of AN/GKA-5 difficulties.
SSGT Bryant and team, 2861st GEEIA, arrived 5 Dec 61 to perform maintenance on GATR site UHF antennas.

SMS Frahm, NYADS, Visited Communications facilities to coordinate maintenance activities.

Mr. Nat Sanders, Mr. Hoover and Mr. Ramsey, Burroughs Corp., visited the Communications Section 12 Dec 61 to discuss feasibility of conducting ALRI (Airborne Long Range Input) compatability tests between ground and air facilities.

Mr. Armocida, New York Procurement District, Mr. Horton, Mr. Nat Sanders and Mr. William Lord, Burroughs Corp., arrived 18 Dec 61 to participate in installation inspection of ALRI (Airborne Long Range Input) facility. Inspection was called off and personnel departed.

SMS Ralph Hecker, 2861st GEEIA, visited to gather information prior to installation, several installation schemes.

Mr. Pitchinson, Western Electric representative from BOADS, visited 27 Dec 61 to conduct Mode II tests from Boston.

3. General Comments:

a. Received long outstanding ROCP parts (RF switch and relay K-313) for the AN/FRT-49 #2, one item (circuit breaker CB-314) remains to be received before this set can be restored to operation. Estimated delivery date is 11 Jan 62 after which a DLM team will be scheduled to repair and overhaul the set.

b. On-line crypto equipment was installed during this period by representatives from NYADS.

c. Turned over to Unit Supply for disposal, 7 each antenna couplers CU-547 excess to our requirements.

d. Command inspection of Crypto Center was conducted during October by NYADS.

e. Pre-DLM Survey of GATR facility radio communications equipment was performed in November with a tentative schedule to accomplish the DLM required during February. The AN/FRT-49 #2 was prime equipment considered for DLM, as well as the low power UHF equipments.

f. Mr. Harry Scebode was assigned as Burroughs Technical Representative for the express purpose of conducting training to enable the Radio Maintenance Section to maintain the ALRI (Airborne Long Range Input) facility. Classes have been established for formal training of at least 8 AFSC 304XX personnel during the 6 months following November.

g. Disposition instructions were requested and received for disposal of a considerable amount of installation residue at the GATR site, particularly wood cable reels, antenna transmission lines, CONEX containers, control panels, and coaxial cable.

h. Disposition instructions received for the AN/GKA-4 equipments, this will be disposed of when mode lines are removed from the AN/GKA-4 and installed on the AN/GKA-5. Estimate this will be accomplished during January.

i. During this period, the ALRI (Airborne Long Range Input) equipment was installed, tested, and is awaiting installation inspection, and estimate this will be accomplished early in January 1962.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
GEORGE W. CARD, Major, USAF	

j. During December, it was determined that considerable pieces of UHF equipment were below minimum on reception or transmission. All equipment involved was checked for proper frequency and adjustments made as required; tubes and other parts were replaced as required; an antenna maintenance team from GEEIA repaired one UHF antenna cable, which was completely inoperative, and repaired several other coaxial cables which were leaking nigrogen gas. This collective action resulted in all equipment being restored to proper operational standards.

k. At the end of this reporting period, only two pieces of Communications equipment were awaiting parts, AN/FRT-49 awaiting ROCP item; Circuit Breaker. T-282/GR transmitter awaiting RNFP item, antenna relay.

ECE SECTION

1. Personnel.

a. TSGT Howard K. Dallas arrived this Station in November and assumed the duties of NCOIC C&E from MSGT Francis J. Huffman. MSGT Huffman is alerted for Korea. TSGT Durward Hartin assumed the duties of Test Equipment NCO from TSGT DiBenedetto in December. Sgt DiBenedetto is presently TDY to "Solid Matter" school, and will return to the GATR Site upon completion of school.

2. Visits and Inspections.

a. Capt Harris, NYADS, Pre-Inspection Visit, 19 October 1961.

b. Capt Cyr and CMS Pace, 26th Air Division, inspected Crypto 17 Oct 61.

3. Projects:

a. AN/FPS-35

(1) Personnel. Maintenance of the AN/FPS-35 continued to be the responsibility of FAA during the entire reporting period. A total of thirty-three FAA personnel were augmented by the assigned seven Sperry personnel under FAA/Sperry contract. This contract terminated 31 Dec 61. In addition, three Sperry Field Engineers were assigned under ADC contract to this Squadron.

(2) Supply Support. Lack of ability to adequately support the AN/FPS-35 logistically, proved to be the most detrimental factor in achieving maximum utilization and capability of equipment. However, the end of this reporting period indicated a vast improvement in supply support during the quarter.

(3) Technical Publications. Technical Orders covering this system were received at this organization. Continued lack of the preventive maintenance routine cards hampered the adequate establishment of a satisfactory preventive maintenance program.

(4) Modification. NYADS and 26th Air Div (SAGE) were requested to obtain clarification of the status of the Field Engineering Bulletins (FEBs) published as a result of ACP action. FAA objected to the performance of such modifications on the basis of the ADC/FAA Ground rules for joint use Radar facilities. Subject rules state that all major equipment changes or modifications will be approved by both agencies. This matter is being coordinated by ADC/FAA. Until such time as a final decision is rendered, all such modifications will be held in abeyance. To date, there are 291 FEBs applicable to this Station, and of this

figure 166 have been completed and 125 have not been completed at present. Of the total 125 not completed to date, 49 are awaiting installation and 76 are awaiting associated kits.

(5) Maintenance Depot Assists. Maintenance Assistance was requested of the depot on three separate occasions during this period for the following reasons:

(a) 11-13 October 1961 - Replacement of the #3, 100 HP antenna drive motor.

(b) 28 November - 1 December 1961 - Replacement of the #5, 100 HP antenna drive motor.

(c) 21-22 December 1961 - Replacement of Stop-Boom assembly and gear rack on antenna system.

(6) Amplitron Performance. Only one amplitron was replaced during this period. QK-681, Serial #74 was removed after failure on 7 December 1961 after accumulating 985 hours high voltage and 2309 hours filament voltage.

(7) Submission of Unsatisfactory Reports. Nine (9) URs were submitted during this reporting period.

(8) Relocation of MAJAC. Relocation of the MAJAC (Maintenance Anti-Jam Console) from the AN/FPS-35 to the DMCC is being held in abeyance by ADC pending approval by FAA. FAA approval is not required but desired. The MAJAC at Manassas is scheduled for relocation in early January 1962, at which time FAA will be afforded thirty (30) days in which to evaluate the problems, if any, due to the relocation.

(9) Summary of Operations. The following operational percentages of scheduled operations were achieved during this period:

	OCTOBER	NOVEMBER	DECEMBER
SAGE Operational	65%	76%	55.2%
SYSTEM #1	29%	36%	45.2%
SYSTEM #2	63%	64%	26.7%

b. AN/FPS-26

(1) The beneficial occupancy agreement for the AN/FPS-26 tower was accomplished on 5 October 1961. Construction items requiring completion for occupancy by the Air Force were scheduled for accomplishment by 31 Oct 1961. Most items were completed by this date.

(2) Physical installation of AN/FPS-26 electronic equipment was started 31 Oct 61, with an anticipated completion date of 4 Dec 61. This installation was 91% complete as of 15 Dec 61, and 99% as of 31 Dec 61. Approximately ten days delay was experienced due to the necessity to relocate part of the outside cable troughs.

(3) Preliminary testing was initiated on 22 Dec 61, with a scheduled completion date of 29 Feb 62, and an estimated completion date of 2 Mar 62. Two NCO's are TDY to school on this equipment, TSGT Goggin and SSGT Macaluso.

c. ALRI

(1) A satisfactory shakedown test performed by ECI personnel on prime equipment 15 Nov through 17 Nov, and personnel witnessing this test were:

Major D. B. Duncan, Project Officer, Wright Patterson AFB
Mr. Louis Mulvaney - GEEIA, Brookley AFB
Mr. Thomas Brown - GEEIA, Brookley AFB
Mr. Al Pelligrini - Western Electric
Mr. Nat Saunder - Burroughs Corp.
Mr. Al Jones - Burroughs Corp.
Mr. Harry Seebode - Burroughs Corp.

(2) A satisfactory operational check was performed on prime equipment by Mr. Harry Seebode, Burroughs and Air Force Personnel from 18 Dec to 20 Dec. 1961.

(3) Satisfactory AGE equipment test was performed by ECI personnel on 18 Dec 61. This test was witnessed by the following personnel:

Mr. Dominic Armocida - NYAPD, representing the Air Force
Mr. Paul Horton - Burroughs Corp.
Mr. Nat Saunder - Burroughs Corp.
Mr. William Lord - Burroughs Corp.

(4) It is expected that Inspection Certificates AFTO Form 88s will be accomplished sometime in January 1962.

RADAR MAINTENANCE SECTION

1. Personnel

This section gained 18 and lost 1 airman. All but two of the personnel gained during this period were 30332 school graduates from Keesler AFB, Miss. While this section is now capably manned number-wise, it has a huge training problem as a result of all the newly assigned trainees.

2. Projects

a. Modifications during this period were:

(1) FPS-20 - 561 change wiring on J3465
(2) FPS-20-539 Permit greater range of crystal current and thus allow improvement in system noise figure.
(3) FPS-20 - 568 to improve tolerances in critical voltage divider networks.
(4) FPS-20 - 581 to provide interlock protection to prevent application of high voltage to the klystron if any part of lead shielding is removed.
(5) FST-1 - 510 to prevent erratic operation of the control Flip-Flop.
(6) FST-2 - 203 to supply FST-2 timing and signal logic to the multiplexer for proper operation. To enable FST-2 to process Gap Filler information to the DC.
(7) 2FST-503 to make the RAPPI compatible with the Gap Filler.

3. Problems

The Gap Filler continued to be the major headache with frequent outages. This maintenance problem is being studied and will be coordinated with NYADS for the best possible solution. The following breakdown will illustrate the time and expense involved in trips during this quarter.

NO. OF TRIPS	NO OF PERSONNEL	MONTH	MILEAGE	TIME
18	51	OCT	2016	180 hrs 45 min
18	50	NOV	2016	142 hrs 57 min
23	61	DEC	2576	178 hrs 27 min
59	162		6608	502 hrs 27 min TOTAL

BASE CIVIL ENGINEER

1. Personnel

2 Lt Harold R. Pawley was assigned as BC Engineer during this reporting period. One airman was gained to this section during this period.

2. Projects

a. Well #3A was rehabilitated.
b. Well #1A was rehabilitated.
c. Steam table in Dining Hall was converted from electric heat coils to steam coils.
d. Bowling Alley construction is progressing slowly.
e. Feedwater line to the Diesel Plant waste heat boilers was completed and is awaiting final acceptance.
f. The allied construction for the ALRI (Airborne Long Range Input) Site was completed, however, many items must be corrected before the facility is accepted.
g. The underground steam line behind the Dining Hall blew a joint and it was necessary to raise the line overhead. This work was done by assigned personnel.
h. Repairs to the roof flashing of the GATR Site building and the Base Operations Building (P-100) were made during this period.
i. The construction of the DMCC wall and widening of the outer doorway was started during this period and is approximately 75% complete.
j. A complete inspection of all buildings was performed and our requirements were made known to Suffolk County AFB Civil Engineer.
k. The AN/FPS-26 Tower construction was completed and is awaiting an acceptance inspection.
l. During this period much piping and pump equipment was painted in the Diesel Plant and in the Air Conditioning Section.

GROUND SAFETY SECTION

1. The Ground Safety Council met each month during the reporting period. There was no change in assigned members.

2. During the reporting period, this organization experienced no on-duty or off-duty non-disabling injuries among military personnel and one-non-disabling injury to civilian personnel.

3. TSGT James H. Deeley replaced TSGT Edward J. Bradley as Ground Safety NCOIC.

4. This organization progressed through the entire period of the Life Saver Campaign without a reportable private vehicle accident.

5. All information and procedures outlined in the quarterly safety program package were implemented as required.

6. Procedures have been implemented to push maximum participation in the installation of seat belts in private vehicles. This subject has been a main topic at Commander's Calls.

7. A number of safety films concerning safe driving habits were procured from ADC and shown to all personnel.

UNIT SUPPLY

1. Three personnel were gained during this period. One, a driver for the Motor Pool and two Supply Specialists. One civilian, Mr. Walter Aley, was assigned as a Stock Room Attendant during October 1961.

2. Projects and Completed Actions:

a. A total of 32, 129 miles were driven on the GSA vehicles assigned this organization.
b. A total of 8, 650 miles were driven on the USAF vehicles assigned this organization.
c. A total of 40 private vehicles were inspected in compliance with local directives.
d. During this period of report, the Tech Supply Section received a total of 194 priority requests of which 43 were ROCP and 151 were RNFP.
e. Action has been taken to include on this organization's UAL all support equipment for the AN/FPS-26 Radar Set.
f. Approximately 3000 bench stock items for the AN/FPS-26 radar set have been received and recorded on AF 84Bs. These items will be issued as required.
g. The semi-annual inventory of UAL property was completed with the inventory date of 15 Oct 61.
h. Spare parts for the AN/FPS-35 radar set have been received and recorded on stock records. The receipt of these parts greatly reduced the outstanding priority requisitions for this radar set.
i. All assigned tool boxes were reviewed.
j. $137, 190. 00 in excess property was turned in.
k. All UAL items were reviewed for possible cancellation and/or deletion.
l. Assigned test equipment was reviewed and a total of 14 items were deleted.

SECURITY AND LAW ENFORCEMENT

1. Personnel.

Airman Basic Daniel L. Pierce was assigned to the section during the period of this report.

2. Projects:

All Air Police fired and qualified with the appropriate weapon during this quarter.

PERSONNEL SERVICES SECTION

1. Projects:

a. The theatre schedule has been revised to stimulate more attendance at scheduled movies.

b. The fishing tournament was completed and many varied prizes were awarded.

c. A basketball team was organized and is currently playing in Suffolk County AFB Intra-Mural Basketball League.

d. The two-lane bowling alley being constructed on the site will not be completed for approximately two additional months, therefore, the Squadron bowling league which is comprised of approximately 100 military and civilian personnel is being conducted at East Hampton Star Lanes.

PERSONNEL AND ADMINISTRATION

1. Projects:

All Squadron personnel were scheduled for and completed marksmanship training and qualified with the appropriate weapon during November and December 1961.

The Ground Training Program has been reorganized to insure compliance with all directives and accomplish all necessary training throughout the coming year.

A complete review of all personal records of emergency data was completed as a result of the NYADS Assistance Visit. This has been established as a quarterly project.

The necessary briefings and initial plans were made in order to initiate the new system of filing and record keeping in accordance with AFM 181-4 and 181-5.

RCS: AU-D5

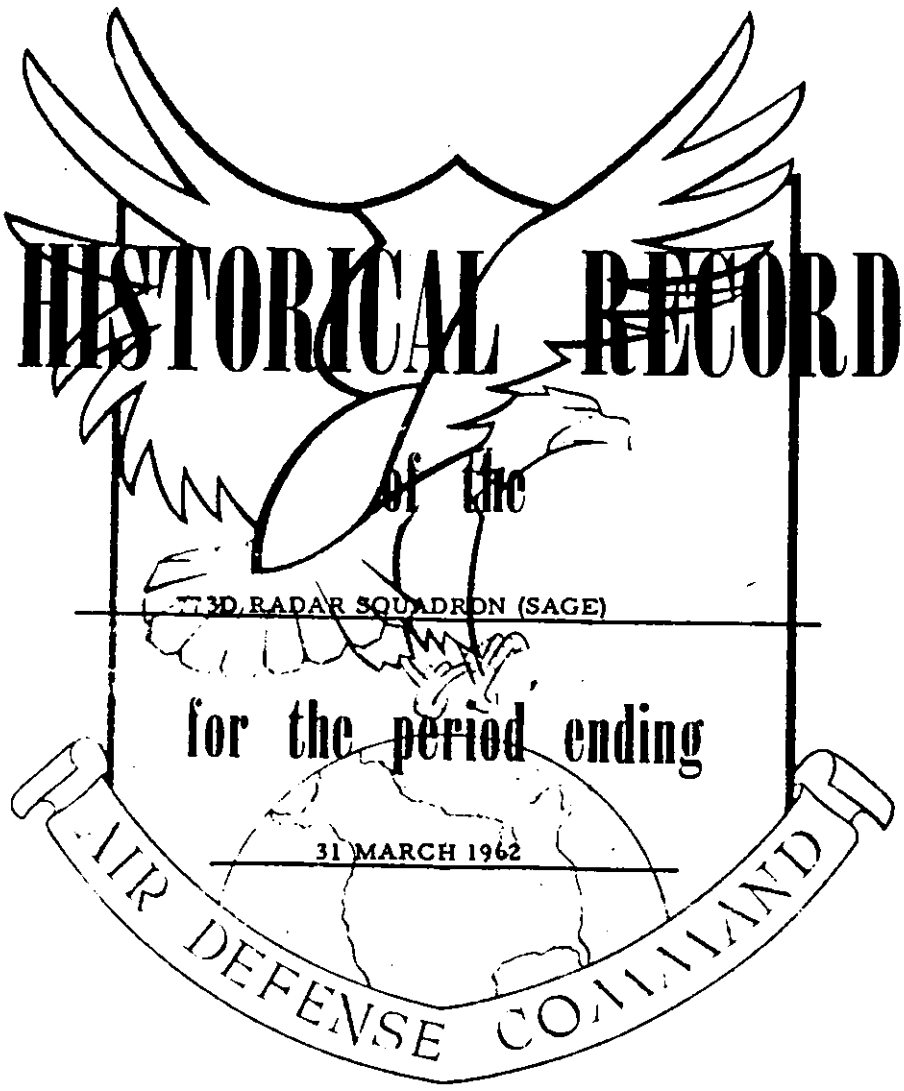
HISTORICAL RECORD

of the

33D RADAR SQUADRON (SAGE)

for the period ending

31 MARCH 1962



AC FORM MAY 50 102

P.C. 9310

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

GEORGE W. CARD, Major, USAF

3. CHAIN OF COMMAND (Superior echelons)

773D Radar Squadron (SAGE), Montauk AFS, N. Y., George W. Card, Major; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Pritchard; 26th Air Division, Hancock Field, Syracuse, N. Y., Major General Viccellio; Air Defense Command, Ent AFB, Colorado, Lt General Lee; Headquarters USAF, Washington, D. C., General LeMay; Secretary of the Air Force; President of The United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION: (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS. To provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dated 7 November 1960).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	9	151	21	181
ATTACHED	0	0	0	0

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-20
2. AN/FPS-6 (2 each)
3. AN/FPS-14
4. AN/UPX-6 (3 each)
5. AN/FST-1
6. AN/FST-2
7. AN/FSA-10
8. AN/FSW-1
9. AN/GPX-7A
10. AN/FPS-35
11. AN/FRT-49
12. AN/GKA-5
13. AN/FPS-26
14. TD-285-Multiplex Unit

Section II. COMMENTARY

Narrative of Squadron activities, broken down into sections, is as follows:

ENTIRE SQUADRON

The mission of the Squadron remained the same throughout the period of this report.

There were no special events worthy of note during this period.

COMMUNICATIONS SECTION

1. Personnel

a. TDY for Training:

TSgt DiBenedetto attended special transistor school at Stewart AFB, NY.
A2C Thomas W. Hedges returned from GKA-5 school, Keesler AFB.
SSgt Burton W. Miller attended test equipment school, Denver, Colo.
A1C Raymond J. Cloutier departed for crypto machine school.

b. Certified for Pro-Pay:

SSgt Bancroft, John E.
A1C Kissam, Robert V.

c. Special Training:

TSgt Joseph D. Kinkade — TSgt DiBenedetto
SSgt Kelly J. O'Connor — A1C Bowerfind
A1C Joseph B. Ciccone — A1C Gonzales
A2C Richard L. Petrucelli completed familiarization training on ALRI equipment conducted by Mr. Seebode

d. TDY:

SSgt Bancroft, John E., A1C Gonzales, Petro J., A2C Gallup, Ronald were loaned approximately 50 days to supplement NYADS maintenance section.

e. Visitors:

(1) Mr. Carmichael and team, 2863 GEEIA Sq, arrived 8 Jan 62 to relocate DMCC.

(2) Major Hedges and Lt. Holmquist, 26th AD, arrived 9 Jan 62 for Installation Inspection ALRI facility.

(3) Mr. Nat Sanders, Burroughs Corp., arrived 10 Jan for installation inspection ALRI facility.

(4) Mr. Ed Greeley, EGEEIA Region, arrived 12 Jan 62 for Installation Inspection ALRI facility.

(5) MSgt Robert Peterson and Mr. Floyd Larson, 26th AD, arrived 10 Jan 62 for Familiarization visit.

AL

(6) TSgt Durette and SSgt Davis, Hill AFB, arrived 15 Jan 62 to peak GATR facility equipment to SAGE specifications.

(7) Mr. Coley and team, RCA Corp., arrived 17 Jan 62 for installation AN/GKA-5 retrofit kit.

(8) Mr. Klapack, Bell Telco, Mr. Niedbalski Philco Corp., Mr. Damora and Mr. Phililoctor, Western Electric Co., arrived 15 Jan 62 to conduct WECO test method validity for ALRI facility.

(9) Mr. Doyle and Mr. Law, Rome AFD, arrived 22 Jan 62 for AN/GRC-27 PMI work card verification.

(10) Mr. Strange and Mr. Wolfe, ECI Corp., arrived 23 Jan 62 for familiarization ALRI and check out of equipment prior to tests with aircraft.

(11) Brig. General Pritchard, NYADS, visited Comm facilities 8 Feb. 62.

(12) Capt Morales, ASO Officer NYADS, visited GATR facility 15 Feb 62.

(13) Mr. Donahue and team, Rome DMDA, arrived 15 Feb 62 for Depot Level Maintenance GATR facility equipment.

(14) SMS Hecker and one airman, 2861 GEEIA Sq, arrived 23 Feb for pre-installation survey OA-2325/FPS-6 scheme installation.

(15) Lt Tod and CWO Swatts, 2861 GEEIA arrived 27 Feb for Facility Familiarization.

(16) A1C Butler and team, 2861 GEEIA Sq, arrived 27 Feb 62 to install OA-2325/FPS-6 scheme.

(17) SMS Furr and MSgt O'Toole, 3245 Opns Group (MITRE), arrived 28 Feb 62 to coordinate OJT for MITRE airmen.

(18) MSgt Adams and team, 2861 GEEIA Sq arrived 6 Mar 62 to assist in installation OA-2325/FPS-6, to install cable schemes for AN/FPS-26 and to repair GATR facility antenna.

(19) Mr. Hill and Mr. Ashley (Philco Co) arrived 21 Mar 62 to check input to AN/GKA-5 for synch errors.

2. General Comments:

a. The following installation or major modification actions were completed or are in progress.

(1) AN/GSC-7/GSM-73 ALRI equipment Installation completed. Inspection Certificates signed 12 Jan 62.

(2) AN/FPS-26 Radar Set. Installation completed. Inspection certificates signed 2 Mar 62.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
GEORGE W. CARD, Major, USAF	

(3) Communication Support Cable for AN/FPS-26, Installation completed. Certificates signed 12 Mar 62.

(4) DMCC relocated, certificate signed 15 Jan 62.

(5) AN/GKA-4 equipment removed and disposed of 10 Jan 62.

(6) AN/GKA-5 Retrofit Modification Kit installation 19 Jan 62.

(7) KAB-59A Modification Kit installed on TSEC/KL-7 equipment, 8 Feb 62 by local personnel.

(8) Special Hot Line to Lexington, Mass (Boston) was installed for MITRE Corporation, 5 Jan 62, line terminates at our switchboard.

(9) Installation of OA-2325/FPS-6 modification commenced 27 Feb 62. Estimate completion o/a 10 April 1962.

b. Received circuit breaker assembly for PA-2 AN/FRT-49, item was installed and PA-2 restored to full operation on 15 Feb 62. The maintenance ticket on this transmitter had been open since August 1961 for parts.

c. Implemented Maintenance Procedures as outlined in AFM 66-1, 1 Mar 62. All applicable maintenance personnel received indoctrination on forms and procedures necessary to implement this program.

d. During this reporting period GEEIA teams accomplished repair to several UHF antennas and to coaxial lines which leaked nitrogen gas, this was accomplished during March.

e. Tropo facility had experienced excessive failure of klystron tubes VA-800 in PA-1 AN/FRC-56 during January. A focus coil assembly failed and upon removal, it was found that the coolant coils were clogged with a foreign substance, restricting water flow. It is believed this contributed to excessive klystron tube failure as the presently installed tube has operated over 1700 hours.

f. All GATR site UHF equipment (some 28 receivers and 28 transmitters) received extensive Depot level maintenance, this being accomplished during February and March by a team down from Rome AF Depot. Further, all GATR equipment was peaked to SAGE specification by team personnel from Hill AF Depot.

SAGE OPERATIONS SECTION

1. Personnel

a. 2/Lt Gerard J. Gingras, Jr. returned from ECCM Familiarization School 18 Feb 62 and assumed duties of SAGE Operations Officer on 19 Feb 62.

2. Deep River Exercise:

The monthly "Deep River" exercise was performed in January, February and March. The FPS-35 was utilized for the January and February mission and the FPS-20 was utilized for the March mission.

ECE SECTION

1. Projects:

a. The AN/FPS-26, SFEL Package FC-1C-05C, C-E scheme number 52-C1-NY17-2A11A-X-1102-0922A9-A, was installed at Montauk Air Force Station under contract number AF30 (635) 12186, by the AVCO Corporation. The Installation Inspection Certificate (AFTO Form 88) was signed on 6 March 1962.

b. On 8 March 1962, ten (10 military radar maintenance personnel were assigned to this facility for training. On 14 March 1962, the equipment was shut down at the direction of higher headquarters pending receipt of test equipment required for WECO peaking and evaluation (necessary for SAGE certification). This directive was later rescinded (at the request of the 773D RADRON) and the equipment was restored to operational status for training on 23 March 1962.

c. The equipment went ROCP, 26 March 1962 for a receiver local oscillator tube (QKB-788). A request for technical assistance was forwarded AVCO, 28 March 1962, for repair of a water leak in the heat exchanger. This unit is warranted by Ilis Chambers.

AN/FPS-35

1. The ADC/FAA Joint Radar Evaluation of the AN/FPS-35 was conducted during the period 15 Jan - 13 Feb 62.

2. Mr. Blake, Sperry Representative at Rome, and Mr. Weston of ROAMA, visited the Station on 2 Feb 62, for coordination of 100 HP antenna drive motor problems. The following Sperry engineers also visited the Station concerning the same problem area: Lou Rand, Joe Cotie, Spiros Thomiddes, and Dave Halpern.

3. A team of Reliance motors engineers visited the Station 14 Feb 62, to review difficulties with the antenna drive system.

4. The MDA team arrived 20 Feb 62 to assist FAA in returning System II to an perational status. The team departed 2 Mar 62, subject to recall, when this system went ROCP for a 6952 (5th stage tetrode). System II has been inoperative for the entire reporting period (10 Dec 62).

5. Difficulties with the antenna drive system (vertical and horizontal couplings) necessitated removing the system from operation on 5 Mar 62. Investigation by RADC, MDA and Sperry recommended all couplings with the exception of the #4 position, be redressed and reinstalled with new keys insuring a press fit to reduce backlash, however, FAA requested replacement of all couplings with new parts. ADC approved the FAA request on 31 March 1962.

6. There were a total of twenty (20) ROCP instances during Feb 62. At the conclusion of this report, there were two (2) ROCP items (antenna couplings).

RADAR MAINTENANCE SECTION

1. Equipment:

a. During this quarter, there were a total of 32 RNFP's and 11 ROCP's.

b. T.O. Modifications installed were: 31P6-2FPS-20-582 and 31P3-2FPS-6-5076.

2. General Comments:

a. Mr. Warren Smith, Jr., Philco CTSP, assigned to Squadron in January 62, replacing Mr. Boyd Nolan.

b. Mr. Joe Grabieck, MDA, Rome, on site in January 62, with team to repair azimuth drive assembly gear, FPS 6-0.

c. Capt. Cooper, ADC Evaluation Team, on station during January 62 for evaluation of FPS 6-0.

d. GEEIA team on Station, January 62, to relocate indicators for FPS 6-0.

e. Warrant Officer Chase, NYADS, made a staff visit on P-45A during January 62.

f. A four man GEEIA team arrived on Station March 62, for installation of the OA-2325A Modification on FPS 6-0.

ASE CIVIL ENGINEER

1. The AN/FPS 26 Tower was accepted on 9 January 62. The exceptions listed are being monitored by Base Civil Engineering.

2. Outboard bearings of diesels in Main Power Plant began heating up and iron filings were found in some of them. Personnel from Baldwin-Lima-Hamilton Corp. Dodge Timken Bearing Co., RADEM, 26th AD, and power production, this Squadron, worked together to correct this situation. The bearings were disassembled, cleaned inspected and the necessary components replaced. The bearings were then installed under the supervision of the representatives of B-L-H Corp., and Dodge Timken Bearing Co., as they felt the previous bearings had not been adjusted correctly. This action appears to have solved this problem.

3. The crack that was repaired in the block of Diesel #2 in Nov 1961, opened up again in February. Personnel from B-L-H repaired the cracked block. In March ıe crack in the block opened up again, and was once more repaired by personnel from B-L-H Corp. At present the block is okay.

4. In March, Well #1A and #3A failed, just after completion of tie-in of Well #5 into the system. An emergency project was initiated to rehabilitate or replace these two wells. A new well is being drilled to replace #1A. A project to drill a fourth well is now in the engineering stage.

5. Six military personnel were gained in Power Production, bringing this section up to authorized strength. One civilian is leaving the Power Production section to take another job.

GROUND SAFETY SECTION:

1. The Ground Safety Council met each month during the reporting period. CWO Van Kleef was appointed Ground Safety Officer during the month of Feb 62. SSgt Kelly J. O'Connor assumed the duties of Ground Safety NCO during Feb 62.

2. The installation of seat belts in privately owned vehicles is still progressing. The Government vehicles on station are now equipped with seat belts.

PERSONNEL AND ADMINISTRATION:

File systems as prescribed in AFM 181-4 and 181-5 have been established throughout the Squadron.

RCS: AU-D5

HISTORICAL RECORD

of the

773D Radar Squadron(SAGE)

for the period ending

30 June 1962

UNIVAC DIVISION

Section I. . REQUIRED DATA

1. UNIT AND LOCATION

773D Radar Squadron (SAGE) Montauk, NY

2. NAME AND GRADE OF COMMANDER

OLIN W. CROW, Major, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Olin W. Crow, Major; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Salisbury; 26th Air Division, Hancock Field, Syracuse, N. Y., Major General Viccellio; Air Defense Command, Ent AFB, Colorado, Lt General Lee; Headquarters USAF, Washington, D. C., General LeMay; Secretary of the Air Force; President of The United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)*

To provide New York Air Defense Sector with Surveillance Data of Air Traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS. To provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dated 7 November 1960).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	13	154	21	188
ATTACHED	0	0	0	0

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-20
2. AN/FPS-6 (2 each)
3. AN/FPS-14
4. AN/UPX-6 (3 each)
5. AN/FST-1
6. AN/FST-2
7. AN/FRC-56
8. AN/FSW-1
9. AN/GPX-7A
10. AN/FPS-35
11. AN/FRT-49
12. AN/GKA-5
13. AN/FPS-26
14. TD-285 Multiplex Unit
15. AN/GSC-7

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into sections, is as follows:

ENTIRE SQUADRON

The mission of the Squadron remained the same throughout the period of this report.

There were no special events worthy of note during this period.

COMMUNICATIONS AND ELECTRONICS SECTION

1. Personnel.

a. Gains.

(1) Assigned Crypto: SSGT William E. Barber, AFSC 29151

(2) Assigned GATR:

A1C Errol D. Barker	AFSC 30452
A1C Donald Munette	AFSC 30452
A1C Larry D. Nosel	AFSC 30452
A1C Richard H. Regan	AFSC 30452
A2C Harry C. Agens	AFSC 30432
A2C Robert A. Beeker	AFSC 30432
A2C Frank J. Mathews	AFSC 30432

(3) Assigned Radar Maintenance:

A2C George Bolettieri	AFSC 30332
A2C Frank Cannella, Jr.	AFSC 30332
A2C Richard Lonergan	AFSC 30332
A2C Richard A. Hamilton	AFSC 30531D
A1C Haywood Martin, Jr.	AFSC 30531D

b. Losses.

(1) Military:

SMS Guyton M. Ingram	AFSC 30490
A1C John P. Bowerfind	AFSC 30432

(2) The following civilian Contract Technical Services Personnel terminated assignment on 30 June 1962:

Mr. Harry Seebode, Burroughs Corp.
Mr. Robert Ungerbuehler, Burroughs Corp.
Mr. Joseph Sabino, Sperry Gyroscope Co.
Mr. Ralph Neill, Sperry Gyroscope Co.
Mr. James Martin, Sperry Gyroscope Co.

c. Classification Actions. The following personnel were upgraded:

A2C Robert L. Jensen	AFSC 29150
A2C Barry C. Bishop	AFSC 30352
A2C Joseph R. Salber	AFSC 30352
A1C Heriot C. Mungo, Jr.	AFSC 30531D
A1C Haywood Martin, Jr.	AFSC 30551D

d. The following were promoted to grades as shown:

SSGT Francis P. Romeo, Jr.
A1C Clemmon C. Bond
A1C Thomas W. Hedges
A1C Herman W. Knuppenburg
A1C Richard Oppenheimer
A2C Michael J. Borsenik
A2C John J. Hill
A2C Richard H. Peters
A3C James E. Gilliard

2. Visits and Inspections.

a. Inspections.

(1) A NYADS Assistance Team composed of Lt Col Martin, Capt Harris, CWO Chase, and SMS Egan visited the section on 14 and 15 May.

(2) Annual inspection of the section was conducted by 26th AD IG Team during the period 11-14 June.

b. Visits.

(1) Mr. Sam Cross and team arrived 6 April 1962 to install TD-285/FST equipment. Installation completed 11 April 1962.

(2) Mr. King, E. GEEIA Region arrived 11 April 1962 for installation inspection of the TD-285/FST installation.

(3) Mr. McBride, NYADS, arrived 12 April 1962 for installation inspection of the TD-285/FST installation.

(4) SSGT Howald and team from GEEIA arrived 11 April 1962 to remove excess antenna poles at the old T/R sites.

(5) Mr. E. T. Corcoran, E. GEEIA, inspected the Comm Center for compliance with T. O. 31Z1-10-2, 12 April 1962.

(6) A3C Pacheco and A3C White arrived 8 June 1962 for 24 days TDY (extended to 54 days) to assist in the operation of the Comm Center, due to shortage of personnel. Upon completion of TDY, airmen will return to NYADS.

(7) CWO Chase, NYADS, visited the section on 2 April concerning AFM 66-1 matters.

(8) Mr. Beach, MDA Rome, arrived on Station 10 April 1962 to install rotary coupler in the FPS-20.

(9) Mr. Crass, Burroughs Corp., was on Station from 9 to 13 April 1962 to install rotary coupler in the FPS-20.

(10) Mr. Williams, Burroughs Corp., was on Station 16-18 April to conduct

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
OLIN W. CROW, Major, USAF	Olin W. Crow

24 hours of classroom training on the TD-285.

(11) Mr. Green, WECO, was on Station the 3rd and 4th of May to perform registration checks on the FST-2.

(12) Mr. Lanni, Budd-Lewt Corp., visited the Gap Filler site to make measurements for his company on 6 May.

(13) Mr. Peter O'Dea, NYADS CTSP, arrived 11 June for a period of 30 days TDY to instruct maintenance personnel on the OA-2325A/FPS-6.

3. Equipment.

a. Installations.

(1) TD-285/FST installed, certificates signed 12 April 1962.

(2) OA-2325/FPS-6 installed by GEEIA, certificates signed 6 April 1962.

(3) 711 automatic dial telephone equipment installation was completed and placed in operation on 31 May 1962.

b. Removals.

(1) All excess antenna poles and hardware at old R/T sites removed by GEEIA, completed 27 April 1962.

c. Modifications Installed: 31P3-2FPS6-595
31S1-2FST1-524
31S1-2FST2-709
31S1-2FST2-710
31S1-2FST2-703
31S1-2FST2-712
31S1-2FST2-735

d. Depot Level Maintenance.

(1) Rotary joint in antenna of AN/FPS-20 was replaced by MDA in April.

(2) Antenna drive couplers were received and installed by MDA during the period 3 May - 7 June. #6 100 HP drive motor, previously removed for rework, was installed at this time.

(3) Assistance in repair of transmitter on the AN/FRT-49 was performed by MDA during the period 23 May - 4 June.

4. Summary. As of 30 June, all equipment was operational except System I of the AN/FPS-35, which was ROCP for rotor-Stator. The section was engaged in assembling needed items of test equipment to be used in the Western Electric Company peaking and evaluation of the AN/FPS-26 scheduled to begin in July.

SAGE OPERATIONS SECTION

PART I. Mission.

1. Shock Wave III, operations exercise, was conducted on 4 and 5 April. No difficulties were encountered.

2. Shock Wave IV, operations exercise, was conducted on 3 and 4 May. No difficulties were encountered.

3. An evaluation mission was held in the 26th Air Division on Sunday and Monday, 3 and 4 June. The mission commenced at 1700L hours on 3 June and terminated at 1400L hours on 4 June. No difficulties were encountered.

4. Shock Wave V, operations exercise, was conducted on 29 and 30 June. No difficelties were encountered.

5. IPADAE tests were conducted on the following dates: 15 and 17 May; 15 June.

Personnel

1. Highlands sent 5 airmen to this section on TDY to help alleviate the manning shortage. These airmen commenced work on the 31st of May. Plans were made at the end of June to keep these airmen on station during the month of July also. If SAGE Operations remains critically undermanned, these same airmen will be retained for the month of August, if possible.

2. The following men have either been transferred or discharged during this reporting period:

A1C Terry L. Laughlin (transferred)
A1C George W. Shannon (Transferred)
A1C William Childs (transferred)
A1C Raymond Lamb (transferred)
A2C William G. Smojice (discharged)
A2C Andrew Ellis (transferred)
TSGT James H. Deeley (transferred)

3. A2C William Hardy reported in PCS on 17 May and began shift work on 21 May.

4. According to the Unit Manning Document, this section is authorized 21 men. Currently, we have 15 men assigned and 5 of these are TDY personnel who can be recalled to their home base at any time. This problem should be given some serious consideration before more men are lost from the section.

PART II. Manual Operations

1. We have received the officers required in accordance with BUIC operational plan. We have not received any airmen (or forecast) in accordance with BUIC operational plan.

2. We have received part of the required equipment and are awaiting shipment of the remainder.

BASE CIVIL ENGINEERING SECTION

1. Water Supply:

a. A new well was drilled to replace Well #1A. It is located 20 feet from the old well. Before bad weather, the new well will be covered and the pipe to the pump in the existing building will be insulated to prevent freezing.

b. Well #3A was to be rehabilitated. While the contractor was attempting to do this, it was discovered the casing was broken and a new well is being drilled 20 feet from the old one and will be housed and insulated as the new well replacing #1A.

c. The contract has been let for connection of Well #2, a new one, into the system. Work on this well will begin in July.

2. Power Production:

a. Six of the eight fuel pumps on Diesel #3 in the main plant were found damaged in May. As #4 diesel was inoperative, the fuel pumps were removed from it and installed on #3, making it operational. New fuel pumps were received from RADEM, 26th AD and installed on #4 diesel.

b. The outboard bearing for #4 diesel was received in August and installed. It had been sent to RADEM and Dodge Bearing Corp for repair and adjustment.

c. The jacket cooling water cores in the diesel radiators at the Main Plant are still leaking. The contract for replacement of these cores will begin in July.

3. Air Conditioning: The inoperative cooling tower for equipment cooling at SAGE Operations Building has been replaced.

4. Personnel:

a. Gained: A2C John H. Tinsley, AF13653794, AFSC 55250, Woodworker.

b. Lost: None.

SECURITY AND LAW ENFORCEMENT SECTION

1. Personnel

a. A1C Eugene E. Mort, TDY 120 days to Christmas Island. A1C Sylvester Wolfe TDY 120 days to Otis AFB, Project: TOP DRAWER. A2C James Butler, (AF RES) reported in for thirty days training 1 June 62 - 30 June 62.

b. Cross Training: None

c. Promotions: None

2. Miscellaneous

a. Air Police patrolling Camp Hero to guard against vandalism and fires being built by fishermen.

b. Air Police patrolling the Base Housing Area against unauthorized

personnel entering same.

c. Air Police staking out Base Housing area for a reported peeping tom.

d. Three color guards were furnished for military funerals in nearby communities.

GROUND SAFETY SECTION:

1. The Ground Safety Council met each month during the reporting period.

2. The installation of seat belts in privately owned vehicles is still progressing.

PERSONNEL SERVICES SECTION

1. Personnel. No change since Lt Gingras was assigned the additional duty as Personnel Services Officer.

2. Developments.

a. The Squadron boats were put into the water on 1 May 62 for boating and fishing by personnel of this Station.

b. Major Card officially opened the Base Bowling Alley on 11 May 1962.

c. Squadron Softball Team was formed on 13 June 62 and joined the East End Softball League.

d. The 1962 summer bowling league has been proposed by the Bowling Alley Manager, to go into effect sometime in July.

e. A requisition has been submitted for five gallons of Turquoise Paint to paint the Bowling Alley.

f. The Bowling Alley Manager tried to set up a Women's League but was unable to do so because of the lack of women's bowling balls.

MEDICAL SECTION

1. Personnel

a. At the present time there is one medical technician assigned to this dispensary, although a MSGT is due in on PCS orders. The changes in medical personnel assigned to this dispensary during the reporting period is as follows:

TSGT Arthur E. Cumming, AFSC 90270B, NCOIC. Transferred to Texas Tower on 16 April 62.
TSGT Albert A. Jeanguenat, AFSC 90270B, Active Service terminated. Retired on 30 April 1962.
SSGT Henry E. Smith, AFSC 90250B.

b. Two AIC were assigned to this Station on TDY status. The last airman returned to his unit on 6 June 1962. There are no medical personnel cross training and there have been no promotions during this reporting period.

2. Problems: Rehabilitation of the dispensary building has not been accomplished as of this reporting period. Both of the upstairs shower stalls and a portion of the flooring by the entrance door has been replaced but no information has been received as to the date of complete rehabilitation.

3. Supply and Maintenance: Medical Supplies are issued through the Medical Supply Section at the Support Base with a priority rating. Most of the requested items are available but there are a few items which are placed on back order until they can be received from a central supply depot. Office furnishings and normal expendable items necessary for the functioning of the dispensary are issued through the Squadron Supply Section. Maintenance for medical and dental equipment is provided through the Supply Base Medical Section at the Support Base while Squadron Supply provides maintenance for items issued through normal request procedures.

SUPPLY SECTION

1. Personnel

a. Gains:

TSGT Howard R. Goheen, NCOIC Station Supply.
SSGT L. E. Spriggs, NCOIC, Technical Supply.

2. Technical Supply has been redesignated as Materiel Control under the concept outlined in AFM 66-1.

3. Two projects, Project UP DATE and Project BEMO were instituted.

4. Final Money Tree Report was rendered during this period. Participation by this organization was satisfactory.

ADMINISTRATIVE and PERSONNEL SECTION

1. Personnel

a. Major Olin W. Crow was assigned as Temporary Commander in the absence of Major George W. Card.

b. 1/Lt Leonard C. Pegg became Administrative/Personnel Officer upon the reassignment of 1/Lt Willis L Shore.

c. Mr. Albert Fecteau became the civilian education advisor when Mr. Thayer departed on 30 June.

d. CMS George Conboy was assigned the additional duty of First Sergeant in the temporary absence of MSGT George McLaughlin.

e. There were no personnel who crosstrained or received promotions.

2. Developments, Ideas, Experiments:

During this quarter an effective writing course was conducted by and for Squadron Officers, NCO's and Administrative Personnel.

3. Problems:

a. During this reporting period, over 50% of our key position personnel were transferred. Of these positions, three were filled with personnel who were unfamiliar with the duties required of the position. Little or no briefing as to duties required was given due to time element. Other personnel within the Section were called upon for guidance as far as assistance in primary duty areas, however, additional duties suffered because of unfamiliarity with the subject. The workload increased to the extent that it was necessary to work overtime to keep abreast of the work.

RCS: AU-D5

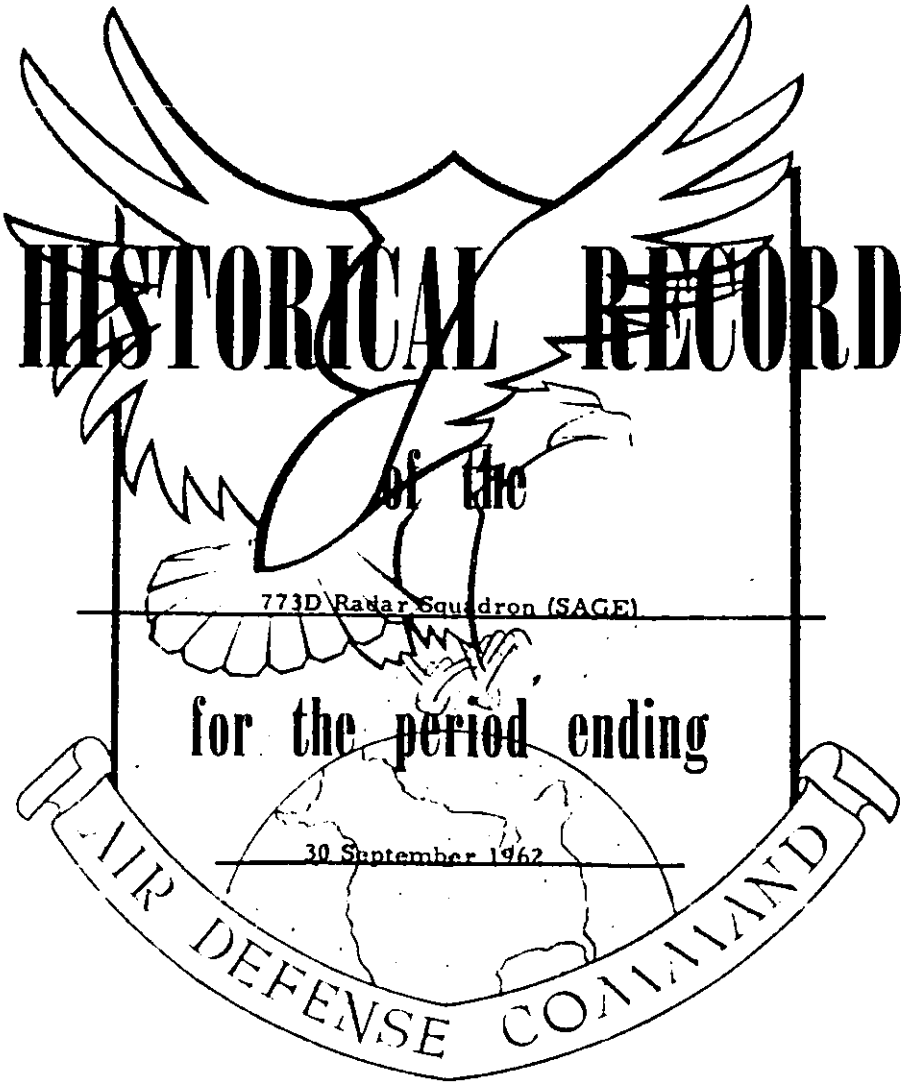
HISTORICAL RECORD

of the

773D Radar Squadron (SAGE)

for the period ending

30 September 1962



5-5577-62

ADC FORM 102

P.C. 9310

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into sections, is as follows:

ENTIRE SQUADRON

The mission of the Squadron remained the same throughout the period of this report.

There were no special events worthy of note during this period.

COMMUNICATIONS AND ELECTRONICS SECTION

1. Personnel.

a. Gains

Major Olin W. Crow, AFSC 3016
SSgt Vernon M. Robinson, AFSC 29170
A1C John R. Gerow, AFSC 29150
A1C James A. Jackereas, AFSC 29150
SSgt Richard G. Ryan, CAFSC 30332
A2C Charles R. Pormann, CAFSC 30332

b. Losses

CWO W-2 Arie C. Van Kleef, AFSC 3034
SMS Mac J. Henderson, AFSC 30490
SSgt Richard A. Phillips, AFSC 30571D
A1C Clemmon C. Bond, AFSC 30551D
A1C Joseph B. Ciccone, AFSC 30453
A1C James E. Frise, AFSC 30452
A1C James A. Graf, AFSC 30453
A1C Thomas W. Hedges, AFSC 30452
A1C Edward E. Johnson, AFSC 30452
A1C Robert Schuur, AFSC 30452
A1C Joseph Seibel, AFSC 30452

c. Upgrading Classification Action:

A2C Richard C. Petrucelli, AFSC 30452
A2C Stephen D. Carrigan, AFSC 30452
A2C Emile L. Parent, AFSC 30452

2. Visits and Inspections.

a. Inspections

(1) A NYADS Assistance Team composed of Lt Col Martin, Capt Harris, CWO Chase, and MSgt Sherman inspected the section on 6 and 7 September.

(2) SMS White and TSgt Michard, NYADS, arrived 21 August, for inspection of the Crypto Account.

b. Visits

(1) CMS Hecker, 2861st GEEIA Sq, arrived 18 July to coordinate removal of the AN/FPS-6(S/N 61) and other C-E schemes.

(2) Mr. Gentile, RomeMDA, and Mr. Brisky, Burroughs Corporation, visited the site 19 and 22 July to accomplish the annual drum change on the AN/FST-2.

(3) A GEEIA team, headed by SSgt Howard, arrived on 16 August to dismantle the AN/FPS-6, serial number 41.

(4) Mr. Moore, Mr. Egan, Mr. Ford, and Mr. Cook, TELCo, visited the GATR site on 17 August, to coordinate ALRI communication line requirements.

(5) Mr. Keel, Burroughs Corporation, visited the GATR site on 17 August to coordinate ALRI testing.

(6) Mr. Playdon, RCS, visited the GATR site on 16 September to check the AN/GKA-5 equipment.

(7) Mr. Smith, 2861st GEEIA and team arrived on 24 August for relocation of the telephone test rack.

3. Equipment.

a. Installation

(1) Equipment installations and checkout for the BUIC plan were completed during the quarter, except for the active portion of the SIF gear.

(2) WECO Testing of the AN/FPS-26 was begun on 23 July. Testing was successfully completed and the FPS-26 was integrated into SAGE on 25 September.

b. Removals

(1) AN/FPS-6, serial number 41, was removed from SAGE Operations at 1300 hours on 16 July preparatory to removal of this facility. Removal was started on 17 August and AFTO Form 88s were signed on 7 September. The equipment was shipped to General Electric Corporation on 27 September.

(2) Three VHF channels at the GATR site were removed from FAA Jet Advisory operation on 30 September.

c. Depot Level Maintenance

(1) Rehabilitation of the AN/FPS-35 antenna drive motors and antenna tilt change were completed on 27 August.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
JOHN E. BATTLES, Lt Colonel, USAF	John E Battles

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE) Montauk, NY

2. NAME AND GRADE OF COMMANDER

JOHN E. BATTLES, Lt Colonel, USAF

3. CHAIN OF COMMAND (Superior echelons)

773D Radar Squadron (SAGE) Montauk AFS, N.Y., John E. Battles, Lt Colonel; New York Air Defense Sector, McGuire AFB, N.J., Brigadier General Salisbury; 26th Air Division (SAGE) Hancock Field, Syracuse, N.Y., Major General Viccellio; Air Defense Command, Ent AFB, Colorado, Lt General Lee; Hq NORAD, Colorado Springs, General Gerhart; Headquarters USAF, Washington D.C., General LeMay; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with surveillance data of air traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS. To provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dated 7 November 1960).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	12	154	21	187
ATTACHED	0	0	0	0

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-20
2. AN/FPS-6
3. AN/FPS-14
4. AN/UPX-6(3 each)
5. AN/FST-1
6. AN/FST-2
7. AN/FRC-56
8. AN/FSW-1
9. AN/GPX-7A
10. AN/FPS-35
11. AN/FRT-49
12. AN/GKA-5
13. AN/FPS-26
14. TD-285 Multiplex Unit
15. AN/GSC-7

SAGE OPERATIONS SECTION

1. Mission

a. Shock Wave VI, Operations Exercise, was conducted on 12 and 13 July.

b. APACHE JEWEL, Air Training Exercise, was held on 9-10 August.

c. A Sector exercise was held on 16 August for training purposes.

d. SKY SHIELD III was held on 2 September.

e. SEAWALL mission was held on 27 September.

f. No difficulties were encountered during any of the above listed exercises.

2. Personnel

a. Five airmen from Highlands AF Station remained here TDY through September 2 to alleviate a manning shortage.

b. The following named personnel reported from overseas. This solved the shortage of personnel and the five TDY men were returned to their home station:

A1C Leonard Friedlander
A1C Paul W. Romaine
A1C Roy L. Delaney
A1C Frederick A. McLaney
A3C Allen Miller.

MANUAL OPERATIONS SECTION

1. Personnel

a. The officer strength remains in accordance with BUIC operational plan. Several attempts were made at Highlands AFS, N. J. and North Charleston AFS, S. C., to upgrade training directors. However, only the combat ready directors were able to maintain their currency during TDY deployments. TSgt John R. Mark was assigned this section as NCOIC.

2. Developments

a. We have received a majority of the required equipment for the BUIC Program with the exception of communications. The communications package is forecast for completion in the next quarter.

BASE CIVIL ENGINEERING SECTION

1. Personnel

a. Gained: A1C James L. Lewis, AFSC 55250, Woodworker, arrived in July 1962. TSgt James E. Buchan, AFSC 54530Y, Equipment Cooling Technician, arrived in August 1962.

b. Losses. Juan Rosado, Jr., A1C, AFSC 54350, Electrical Power Production Specialist, July 1962; A1C Robert Hartzog, AFSC 54550, Equipment Cooling Specialist, August 1962.

2. Developments

a. Water Supply:

(1) The contractor was delayed in completing Well 3A while awaiting delivery of a submersible pump. The pump was received and completion of the job is expected shortly.

(2) The contractor has finished drilling new Well #2 and laying necessary piping. Installation of a pump and inspection must be accomplished.

b. Power Production:

(1) Replacement of jacket cooling water cores at the main plant has not been started because the contractor is awaiting fabrication and shipment of cores.

(2) In the main power plant, diesel generator #4 was deadlined on 30 August 1962, due to mechanical failure. The damaged turbocharger was exchanged for another from the manufacturer and installed, although there are other parts needed to make the engine operational.

(3) Voltage fluctuations have been reported as causing radar operation problems and downtime. The support base, Suffolk County AFB, is procuring recorders to be placed on electrical distribution system in the power plant and radar towers, to determine whether power fluctuations are actually occurring or if the reported malfunctions are caused by other factors.

c. Air Conditioning:

(1) Suffolk County AFB is initiating a project for installation of a third cooling tower at AN/FPS-35 tower to permit more adequately cooling of technical equipment. Estimated contract award date is 31 December 1962.

(2) On 2 July 1962, a chilled water compressor failed mechanically in the AN/FPS-35 tower. A new compressor was installed on 31 July 1962 by PECO Inc.

(3) During July 1962, the pump and motor for the air conditioning system at AN/FPS-26 tower failed mechanically after operating approximately 5 weeks. The manufacturer replaced the bearings under warranty claim and the unit was then reinstalled.

SECURITY AND LAW ENFORCEMENT SECTION

1. Personnel

a. A1C Mort and A3C Pierce are TDY to 6th ADMS, Suffolk County AFB, N. Y., for sixty days. A1C Wolfe is TDY to Otis AFB, Mass. A2C Peters and AB Descoteau are assigned to this section TDY from other sections within the squadron.

b. Cross Training. None

c. Promotions. None

2. Ideas and Innovations

a. Sabotage Alert Procedures are being revised.

b. Improved circulation control procedures have been completed.

c. Due to the shortage of Air Police personnel, manning hours of the Main Gate were changed from a 24 hour post to a 9 hour post during daylight hours on duty days. However, the Main Gate was returned to a 24 hour manning post using augmentation personnel, effective 22 October 1962.

3. Miscellaneous

a. Air Police are patrolling all station areas insuring security and law enforcement.

b. Air Police are patrolling Camp Hero.

GROUND SAFETY SECTION

1. During this reporting period, 2/Lt James C. Barbot relieved CWO W-2 Arie C. Van Kleef as Squadron Ground Safety Officer and a new Ground Safety Council was convened to improve the ground safety program. A flexible monitoring system was also instituted at this time.

PERSONNEL SERVICES SECTION

1. Personnel. No change

2. Supply and Maintenance

a. Personnel Services equipment inventory remained basically the same since the last quarterly report. An air compressor obtained through supply for the auto hobby shop in August was the only sizeable item received.

3. Developments

a. A summer bowling league was formed with the Station bowling alley. Officers were elected and a constitution adopted. The league was sanctioned under the American Bowling Conference.

b. The Squadron softball team finished their season's play and tournament play in September.

MEDICAL SECTION

1. Personnel

a. During this reporting period, MSgt Archie A. Miller was assigned the additional duty as First Sergeant until such time as a permanent First Sergeant reports.

b. There is no medical personnel cross training in effect or required.

2. Supply and Maintenance

Medical supplies are issued through the Medical Supply Section at the support base on a priority basis. Most items are available as normally stocked request items although some must be back ordered pending issuance from a central supply depot. The following are obtainable from Medical Supply of the Support Base: Biologicals, medicinals, medical linen, medical instruments, dental supplies and general medical equipment. Office furnishings and expendable items for administrative functioning and general housekeeping are obtained through Squadron Supply. Maintenance for the medical and dental equipment is accomplished by the Support Base Medical Supply Section while the Squadron Supply Section provides maintenance for the equipment obtained through normal procedures.

SUPPLY SECTION

1. Mission

Effective 15 July 1962, Base equipment management office began assuming responsibility for all UAL equipment. The Unit supply section is no longer maintaining the Unit property account. Each section custodian deals direct with the BEMO on any equipment requirements or turn-ins.

2. Personnel

a. Losses: Airman Shull was transferred to an overseas assignment. Airman Beauford and Airman Burnett were placed on TDY at Suffolk County AFB to support the BEMO.

b. Materiel Control is fully operational with seven personnel assigned.

3. Developments

a. Project up-date (ADCM 67-4) has been fully implemented effective 15 September 1962.

4. Miscellaneous

a. Unit supply vacated two rooms in the Supply Bunker to make room for a 100 man fallout shelter.

MOTOR POOL SECTION

1. Personnel

a. SSgt Roland M. Witham was assigned as NCOIC of this Section.

b. Losses: Airman Lang was transferred overseas PCS. Airman Earl J. King was discharged.

2. Developments

a. During this reporting period, the mileage driven on GSA vehicles was 3b, 056 and on Air Force vehicles 8, 200.

b. This section expedited twenty-nine trips beyond the permissive operating distance for ROCP requirements.

FOOD SERVICE SECTION

1. Personnel

a. Gains. A1C Shelton arrived this station PCS from Winston-Salem. MSgt Ufen will report as NCOIC on 15 October 1962. He will assume the position of Dining Hall Food Service Supervisor relieving SSgt Kenneth Borsman.

b. Losses. A2C Talmadge was discharged.

PERSONNEL AND ADMINISTRATIVE SECTIONS

1. Personnel.

a. During this period, Major Olin W. Crow, Commander, was hospitalized. He was relieved by Lt Col John E. Battles, on TDY status, pending the arrival of Lt Col Theon E. Markham, from Spain, as permanent Commander.

b. 2/Lt Pasquale B. DeBenedictis, AFSC 7321, was assigned as Personnel Officer with additional duty as Administrative Officer. 1/Lt Leonard C. Pegg, AFSC 1741A, returned to this Station with primary duty as Weapons Controller.

c. Staff Sergeant Raymond J. Kwiatkowski, Personnel Specialist, assumed additional duty as First Sergeant, relieving CMSgt Conboy, and was, in turn, relieved by MSgt Archie A. Miller, NCOIC Medical Section, on 21 Sept 62.

d. No cross training was conducted during this period.

2. Promotions

During the quarter the squadron had ten promotions. Four promotions were to A1C.

To A1C:

A2C Barry C. Bishop, AF16657294, 30352
A2C David E. Brewer, AF19632843, 54350
A2C Ronald C. Gallup, AF14701125, 30452
A2C Joseph R. Salber, AF13692326, 30352

To A2C:

A3C Kenneth R. Aman, AF19661748, 54330
A3C Kenneth E. Jones, AF17617422, 64630
A3C Arnold J. Hill, AF16684214, 62250
A3C Calvin J. Winningham, AF19685868, 56530
A3C Robert L. Jensen, AF12602340, 29150

To A3C:

AB James A. Lawson, AF12583017

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

31 December 1962

5-3531-38

ADC FORM MAY 56 102

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE) Montauk, NY

2. NAME AND GRADE OF COMMANDER

THEON E. MARKHAM, Lt Colonel, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Theon E. Markham, Lt Colonel; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Salisbur ; 26th Air Division (SAGE) Hancock Field, Syracuse, N. Y., Major General Viccellio; Air Defense Command, Ent AFB, Colorado, Lt General Lee; Hq NORAD, Colorado Springs, General Gerhart; Headquarters USAF, Washington, D. C., General LeMay; Secretary of the Air Force, President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with surveillance data of air traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS. To provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Command, in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dat 7 November 1960).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	13	149	21	183
ATTACHED	0	0	0	0

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-20
2. AN/FPS-6
3. AN/FPS-14
4. AN/UPX-6(3 each)
5. AN/FST-1
6. AN/FST-2
7. AN/FRC-56
8. AN/FSW-1
9. AN/GPX-7A
10. AN/FPS-35
11. AN/FRT-49
12. AN/GKA-5
13. AN/FPS-26
14. TD-285 Multiplex Unit
15. AN/GSC-7

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into Sections, is as follows:

ENTIRE SQUADRON

On 15 November 1962, the mission of the Squadron expanded to include a Back-Up Intercept Capability (Mode III) in the event of Sector Direction Center degradation or destruction.

COMMUNICATIONS AND ELECTRONICS SECTION

1. Personnel.

   a. Gains:

      (1) Military: Twelve personnel

      (2) Civilian: None

   b. Losses:

      (1) Military: Eight personnel

      (2) Civilian: Five personnel

   c. Classification Action: Ten personnel were upgraded to five levels.

2. Visits and Inspections.

   a. Inspections:

      (1) Communications. None

      (2) Materiel.

(a) On 15 and 16 November 1962, an inspection team from Middletown Air Materiel Area inspected the Materiel Control Section on Base. This inspection was performed by Mr. E. E. Beach and Mr. C. P. Keller, Major Crow, Capt Hreachmack, MSgt Goheen and SSgt Spriggs were involved in this inspection.

(b) On 15 and 16 December 1962, an inspection team from 26th Air Division inspected the Materiel Control Section. This inspection was performed by Major Fuller (26th AD), Major Rhodeheaver (NYADS), CMS Priegnity (26th AD) and TSgt Dickerson (26th AD). Lt Col Markham, Major Crow, Capt Hreachmack, MSgt Goheen and SSgt Spriggs were involved in this inspection. The results were unsatisfactory.

   b. Visits:

      (1) Communications.

(a) Colonel Vinzant, NYADS Deputy Commander, visited the GATR site on 15 October 1962.

(b) Mr. Gregaro from the American Pumps and Tank Corporation

escorted by Mr. Salt (BCE Office) to the GATR site in reference to the fallout shelter on 16 October 1962.

(c) Mr. Biggles from Eastern GEEIA arrived 19 October to conduct a communications survey of the Air Force telephone section.

(d) Mr. Salt (BCE) and Mr. Trague visited the GATR site on 26 October 1962 in reference to the fallout shelter for the GATR site and power plant building.

(e) 29 October - 2 November 1962, CMS Findley from ADC, Mr. Raciti, from ROAMA/RONUSB, Rome, N.Y., Mr. Perrotti, Mr. Thornton and Mr. Mamroth from Burroughs arrived at the ALRI site to conduct the entire PMI check for the ALRI electronic equipment. ALRI testing continued during this reporting period.

(f) Mr. Ruple from Eastern GEEIA arrived on 4 December 1962 to conduct an inspection of the GATR site. A scheme will be sent to this Squadron in order to correct any discrepancies found.

(2) Maintenance.

(a) Mr. Byrle and Mr. Miller, representatives from ADC and Philco Corporation respectively, visited on 2 October 1962 to inquire into problems of the TD-285 multiplexer.

(b) Mr. Walter Genovesi, Kellogg Division of American Brake Shoe Company, visited the section on 18 October 1962 for technical study of the hydraulic pumps in the FPS-26 tower.

(c) Mr. Joel Feddish, WECO NYADS, visited this section on 25 and 26 October 1962 for testing of the TD-285 multiplexer.

3. Equipment.

a. Communications.

(1) On 15 November 1962 the Operations Section conducted its first mission using the BUIC Communications facilities.

(2) Four AS-1097 antennas were received in November to replace 4 AS-505 antennas at the GATR site. Suffolk County AFB will install these antennas.

b. Maintenance.

(1) During the reporting period there was a total of 7 UON "A" and 36 UON "B" conditions.

(2) Installation of TCTO 31S1-2FST2-725 was completed on the AN/FST-2 on 29 October 1962. This modification provides a message console assembly for the AN/FPS-26. Two OA-2140 consoles generated excess by this modification were shipped on 2 November 1962 to Patrick AFB, Florida, IAW received instructions.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
THEON E. MARKHAM, Lt Col, USAF	Theon E Markham

1 4 3 1

(3) Overhaul of the AN/FST-1 and AN/FSW-1 was accomplished on 24 October 1962 by an MDA team from Rome AMA.

(4) The installation of BUIC was 100% complete as of 15 November 1962 and is in operational status.

(5) The painting of the AN/FPS-35 antenna was started in November. Thirty (30) working days was estimated at the beginning of this project. As of 31 December 1962 only 50% of this project has been completed. No definite completion date can be given due to inclement weather.

4. Other areas:

a. Materiel.

(1) During this period the Materiel Control Section was officially divorced from Unit Supply by the assignment of four personnel authorized on the UMD to Function Code 8401025. The Materiel Control function was then relocated from the Unit Supply Building to the C-E-M Building and to the AN/FPS-6 tower.

b. Water Supply.

(1) The projects for development of a new well and rehabilitation of another well have been completed. The Station water supply system now consists of four wells.

c. Power Production

(1) The contract for replacement of jacket cooling water cores of radiators at main plant has not yet been started as contractor is awaiting fabrication andshipment of the cores.

(2) Due to repeated power fluctuations recording meters have been purchased by the Air Force for permanent installation to record these fluctuations. In the main plant two recording voltmeters and one combination recording voltmeter-frequency meter has been installed. Two recording voltmeters have been placed in the AN/FPS-35 tower and one recording voltmeter in the AN/FPS-26 tower. Four UGB-10 Woodward Governors have been ordered to try and alleviate these fluctuations from the diesel plant.

(3) On 21 November 1962, the diesel engine at the Gap Filler which powers the technical equipment when commercial power fails was deadlined. Station personnel, Suffolk County AFB and 26th Air Division personnel have been unable to correct this. 26th Air Division is still checking.

(4) Fallout shelters are being constructed in main plant and GATR plant for protection of the operators. One diesel engine is being removed from GATR plant in connection with this project.

d. Air Conditioning: Our Support Base is negotiating a contract with an architectural engineering firm who is to determine the deficiencies in the air conditioning system of the AN/FPS-35 and design a project to correct these deficiencies.

OPERATIONS SECTION

1. Mission

a. Actual DEFCON 3 declared by NORAD on 22 Oct 1962.

b. On 27 November 1962 DEFCON 5 declared by NORAD.

c. Seawall 4 was conducted on 10 December 1962.

d. On 19 December 1962 a Mode III Mission was conducted with P-54.

e. No difficulties were encountered during any of the above listed exercises. However, a need for additional training and greater coordination with P-54 has been indicated by our Mode III Training.

2. Personnel

a. Gained: 14 personnel.

b. Losses: Three personnel.

3. Developments

a. On 15 November 1962, Montauk AFS became operational as a NORAD Ground Control Intercept Station in the New York Air Defense Sector.

b. The newly arrived personnel have helped alleviate the manpower shortage in Manual Operations.

c. Weapons Controller Training during this quarter was greatly curtailed by the lack of interceptors made available to this site for training, the absence of the synthetic trainer authorized in the BUIC Plan, and the absence of Captain James G. Griswold TDY to North Charleston AFS, South Carolina in October and November.

4. Supply

a. Equipment and furniture placed on order prior to this reporting period were not received at this site. The items, although not mandatory, make work in the BUIC room difficult and uncomfortable - control scope faces, chairs and clocks.

BASE CIVIL ENGINEERING SECTION

1. Personnel

a. Gains: None

b. Losses: Two personnel.

c. A letter has been forwarded to 26th Air Divisi on requesting increased manning in electrical power production section at this station.

SECURITY AND LAW ENFORCEMENT SECTION

1. Personnel

a. Gains: None

b. Losses: Two personnel.

2. Developments, Ideas and Innovations.

a. A survey was made of physical safeguards at Category I areas.

b. A work order was submitted to move Security and Law Enforcement from its present location to an addition on the Main Gate Building. This move would be permanent and particularly advantageous at this time as circulation control would improve with the present limited manning.

3. Major Problems

a. This section requires a vehicle permanently assigned for security and base patrol purposes.

b. This section requires portable radio communications for Sabotage Alert purposes.

c. The shortage of Air Police personnel does not permit this section to properly accomplish its assigned mission.

4. Miscellaneous

a. Air Police are manning Post #1 (Main Gate) only during normal duty hours.

b. Air Police are patrolling Category I areas, Base and Housing areas after duty hours.

GROUND SAFETY SECTION

1. Developments

a. On 26 December 1962 this unit was awarded a Ground Safety Achievement Certificate by 26th Air Division for an accident free year from 1 September 1961 to 31 August 1962.

2. Visits and Inspections

a. On 7 November and again on 9 November 1962, Mr. Theodore R. Monge of Suffolk County AFB visited this Station at the invitation of the Commander. Their recommendation was that this unit request from 26th Air Division an intensive Ground Safety Survey of the GATR site, FAA Building and main Diesel Plant to be conducted by Ground Safety personnel accompanied by an electrical safety engineer.

PERSONNEL SERVICES SECTION

1. Personnel

a. Gains: None

b. Losses: One airman

2. Developments

a. During November this unit entered the intra-mural basketball league at Suffolk County AFB. This league runs approximately 4 months.

b. Library, theatre, smallcrafts shops and auto hobby shops are operating with no major difficulties.

3. Visits and Inspections

a. In December, Lt Col Hayford and Lt Eiles from NYADS visited this unit to help in remedying the Bowling Alley situation. During the past several months the Bowling Alley has not been able to support itself due to high overhead. Re-negotiations of the initial contract with AMF seems to be the best solution towards overcoming this financial deficit. This is being looked into at the present time.

MEDICAL SECTION

1. The Dispensary building needs rehabilitation. There is no information available as to when this work will be started.

UNIT SUPPLY SECTION

1. Developments

a. During the month of October the Unit Supply Section started operating under the new Base Equipment Management Office (BEMO) concept. This new concept has brought about many major changes. These changes have been digested by the Unit Supply personnel and progress is now being made to inform the other Station personnel of these changes.

b. The turn-in the excess project has advanced and completion of this project is anticipated early next quarter.

MOTOR POOL SECTION

1. Developments

a. This section spent $2013.97 in this quarter for GSA Rented Vehicles and drove 29,142 miles.

FOOD SERVICE SECTION

1. Personnel

a. Gains: Two personnel

b Losses: None

c. Lack of qualified food service personnel is seriously hampering the Food Service Section in fulfilling its assigned mission.

2. Developments

a. A pre-sale of meal tickets for the holiday meals was inaugurated in

accordance with AFR 146-6 (Field Ration Feeding). A total of 108 tickets were sold.

b. The Dining Hall prepared and served approximately 250 Thanksgiving and Christmas Day dinners.

PERSONNEL AND ADMINISTRATIVE SECTIONS

1. Personnel

a. On 15 November 1962, Lt Col Theon E. Markham assumed command, relieving Lt Col John E. Battles.

b. Shortly after assuming command, Lt Col Markham appointed Captain Arnold A. Singleton to the additional duty as Executive Officer.

2. Promotions

a. There were no promotions during this quarter.

1

RCS: AU-D5

HISTORICAL RECORD

of the

[illegible] RADAR SQUADRON (SA-2)

for the period ending

31 MARCH 1963

[illegible] Major [illegible]

[illegible] DEFENSE COMMAND

E-411-48[illegible]

ADC FORM MAY 56 102

AF[illegible]

P.C. 5019

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into Sections, is as follows:

COMMUNICATIONS AND ELECTRONICS SECTION

1. Personnel.

a. Gains.

(1) Military.

SMS Reagin, Coley, AFSC 30490
A1C Dean, Lattie, AFSC 30352
A2C Daggett, Thomas, AFSC 30332
A2C Meier, Donald, AFSC 30432
A2C Gotsis, James, AFSC 29130
A3C Freeland, William, AFSC 29130

(2) Civilians.

Burke, Andrew, Burroughs Technician
Eads, Donald, Burroughs Technician
Jacobs, Gabriel, Burroughs Technician
Kristick, Lawrence, Burroughs Technician

b. Losses.

(1) Military

A1C Jaycox, Larry, AFSC 30531D
A2C Radtke, Theodore, AFSC 30352

(2) Civilians

None.

c. Classification Action.

SSgt Macaluso, Joseph, 30352 to 30372
A2C Bollettieri, George, 30332 to 30352
A2C Borsenik, Michael, 30332 to 30352
A2C Brothers, Elliot, 30332 to 30352
A2C Cannella, Frank, 30332 to 30352
A2C Gallino, Robert, 30332 to 30352
A2C Haviland, John, 30332 to 30352
A2C Howard, Jeff, 30332 to 30352
A2C Kolb, Frank, 30332 to 30352
A2C Palmer, John, 30332 to 30352
A2C Radtke, Theodore, 30332 to 30352
A2C Sayre, Daniel, 30332 to 30352
A2C Shenton, Norman, 30332 to 30352
A2C Wilusz, Richard, 30332 to 30352
A2C Mathews, Frank, 30432 to 30452
A2C Decker, Robert, 30432 to 30452

2. Visits and Inspections.

NYADS inspected the Communications Section on the 14 and 15th of January. The Section received an excellent rating from Major Cross and MSgt Sherman.

3. Equipment.

a. Communications.

(1) Klystron failure on the 25th of January, report forwarded to ADC, 26th AD and NYADS.

(2) Charney Construction Company damaged the coaxial waveguide of the AN/FRT-49 on 28 February. The damaged waveguide made antenna number 1 inoperative.

(3) The following gives a breakdown of the outages incurred:

NORS-PA#1 - antenna, AS-726 (30 foot section).
NORS-Capacitor for FSK for the AN/GKA-5.
NORS-6 each 2-450A rectifier tubes for the AN/FRT-49 UON "A" - 3 each
UON "B" - 10 each

(4) Approximately 65% of the radioactive shielding and bomb shelter is completed at the GATR site.

b. Maintenance.

(1) During the reporting period there was a total of 12 UON "A" and 43 UON "B" conditions.

(2) AN/UPS-T5 trainer was received from Ogden AFB and an AN/GPS-T2 trainer was received from Gibbsboro AFS. Installation of these trainers has not started.

(3) Unitec Corporation painted the radomes of the AN/FPS-6 and AN/FPS height finders.

(4) A pre-DLM inspection of the AN/FPS 6 radar set was made by site personnel.

(5) Deactivation and removal date of the AN/FPS-20 radar set has been changed to next fiscal quarter.

4. Other areas.

a. Materiel.

(1) During this period 5,000 line items of excess spare parts were returned back to supply channels.

(2) Three personnel from NYADS arrived this station TDY to assist in the identification and inventory of all on-hand spare parts.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
FOR THEON E. MARKHAM, Colonel, USAF	Allen W. Cook Major

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION: 773D Radar Squadron(SAGE) Montauk, N. Y

2. NAME AND GRADE OF COMMANDER: THEON E. MARKHAM, Colonel, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Theon E. Markham, Colonel; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Salisbury; 26th Air Division (SAGE) Hancock Field, Syracuse, N. Y., Major General Viccellio; Air Defense Command, Ent AFB, Colorado, Lt General Lee; Hq NORAD, Colorado Springs, General Gerhart; Headquarters USAF, Washington, D. C., General LeMay; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide New York Air Defense Sector with surveillance data of air traffic within the assigned subsector of responsibility, to accomplish radar mapping prior to transmittal of such data to NYADS. To provide the 26th Air Division Combat Alert Center (Manual) and New York Air Defense Sector Commander, in the event SAGE Direction Center becomes disabled, with the complete air picture, and provide a force in a maximum state of readiness for use in Air Defense. (NYADS Regulation 20-5 dat 7 November 1960).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	15	144	21	180
ATTACHED	0	0	0	0

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-20
2. AN/FPS-6
3. AN/FPS-14
4. AN/UPX-6(3 each)
5. AN/FST-1
6. AN/FST-2
7. AN/FRC-56
8. AN/FSW-1
9. AN/GPX-7A
10. AN/FPS-35
11. AN/FRT-49
12. AN/GKA-5
13. AN/FPS-26
14. TD-285 Multiplex Unit
15. AN/GSC-7

(3) The priority section was co-located with MCC in the SAGE Building.

(4) The C-E-M officer and the Materiel Control Supervisor attended a two day EDPE school at Stewart AFB to study the management aspects of the Electronics Assets Control Center (EACC).

b. Power Production.

(1) Diesel #4 at the GATR site was removed and shipped out on 4 February.

(2) An 8,000 hour overhaul is being performed on three of the diesels at the main power plant.

OPERATIONS SECTION

1. Mission

a. 10 January 1963	-	Seawall V
b. 28 January 1963	-	Ocean City (Mode III)
c. 1 February 1963	-	Apache Noose
d. 7 February 1963		Seawall V
e. 25 February 1963		Ocean City (Mode III)
f. 27 February 1963		Sea Brush
g. 2 March 1963		Shockwave VIII
h. 20 March 1963		Ocean City-Seawall VII
i. 22 March 1963		Phase II, Seawall VII

j. No difficulties were encountered during any of the above listed exercises. There is, however, a need for additional training with the NORAD Control Center of the nature provided for in our too infrequent Mode III exercises.

2. Personnel

a. Gains:

TSgt C. E. Isenhower, 27370, 25 March 1963

b. Losses:

1/Lt Leonard C. Pegg, 1741A, 6 March 63, Fort Yukon, Alaska
SSgt A. Smith, 27350, 21 Feb 63, Korea
A1C L. Hillman, 27350, 31 March 63, Goose Bay, Labrador

c. Projected Gains:

2/Lt G. A. Bozeman, 1741A, 16 May 63.
A2C K. M. Dahl, 27350, May 63
A2C R. A. Delong, 27350, May 63
A1C J. P. Knox, 27350, June 63

d. Projected Losses:

1/Lt T. L. Jennisch, 1741A, May 63, Bethel AFS, Alaska
SSgt N. F. Cleveland, 27350, 10 June 63, Discharge

3. Developments

a. On 30 January 63, 1/Lt T. L. Jennisch was combat ready.

b. On 1 March 1963, 2/Lt P. A. Thisted completed Weapons Controller School.

c. On 21 March 1963, 1/Lt J. P. Beason was Combat Ready.

d. The existing inter-communications package in the BUIC room has consistently proven itself inadequate during our few brief Mode III exercises.

e. The number of intercepts made available to this Station for Weapons Controller training during this reporting period were below minimum training requirements for the personnel assigned.

f. The loss of Lt Pegg and the projected loss of Lt Jennisch represents a serious reversal in the progress of our controller training as their replacements are controllers fresh from Tyndall AFB and require nearly three times as many intercepts as their combat ready counterparts.

4. Supply

a. Two of our three UPA 35 control scopes still have surveillance scope face mountings.

b. Wall clocks ordered early last fall still haven't been received.

BASE CIVIL ENGINEERING SECTION

1. Personnel

a. Gained: A2C Robertson, 55210

b. Losses: None

2. Developments

a. Power Production

(1) During March the project for the replacement of cooling water cores in radiators at Main Power Plant was completed.

(2) The CEMIRT team from 26th Air Division is performing an 8000 hour overhaul on three diesel engines in main power plant. Estimated completion date of overhaul is June 1963.

b. Heating

(1) During March the four waste heat boilers that run off the diesel exhausts at the main power plant were repaired. They are now beingused in the central steam heating system. Their use has allowed one boiler in the central heating plant to be shut down.

c. Air Conditioning

(1) The project for repair of the air conditioning system of the AN/FPS 35 tower is still in the design stage.

d. Facilities for Fallout Protection

(2) T[illegible] of the operations building [illegible].

(3) T[illegible] facilities in the [illegible] building [illegible].

(4) T[illegible] fault isolators in main power plant. ATR power plant and AFR communications building are 90% completed.

SECURITY AND LAW ENFORCEMENT SECTION:

1. Personnel

a. Assigned: ATC Rice, 77[illegible]

b. Departed: ATC Pierce, 77[illegible], 05 February 65 to England

2. Developments, Ideas and Innovations

a. Base Defense Plan accomplished.

b. Secondary Central Security Control established within the main Category I area.

c. Secondary Saboteur Alert Team procedures improved.

d. Manning procedure for the Main Gate changed to 17 hours, 0730 to 2400 hours daily and Post Number Four to 1730 with combination lock.

e. Traffic Point System initiated in accordance with AFR 125-14, dated December 1965.

3. Supply and Maintenance

a. Unserviceable ID camera picked up by BEMO, Suffolk County AFB, no replacement received.

b. Portable radios requested, not received as yet.

4. Major Problems

This section requires a vehicle permanently assigned for security and base patrol purposes.

GROUND SAFETY SECTION:

1. Developments

a. There were no reportable ground safety accidents during this quarter. The 773D Radar Squadron is now 1st in New York ADS in Ground Safety.

b. The erection of oil drum racks in the trailer park will be the prime project of the new quarter.

c. The reorganization of the Station Fire Department and continued effort

In the promotion of fire prevention via the issue of ashtrays for oily rags, etc. were the principal accomplishments of the section for the quarter.

a. The ABC Private Vehicle Accident Prevention Program was initiated at the station in early March.

DISPENSARY SERVICES SECTION

1. Personnel

a. Gains: 2/Lt Paul A. Tristam
SS t [illegible] Smith
A2C C. [illegible] Smith

b. Losses: 1/Lt Gerard J. [illegible]ran
TSgt Kinkade

2. Developments

a. A summer bowling league is in effect with ten teams participating.

b. A six game total pin roll off will be instituted next month for the selection of a six man bowling team to represent the station in the MADS Tournament at Suffolk County AFB.

c. A station softball team has been proposed for competition in the Post Recreation Softball League.

DENTAL SECTION

1. Personnel

a. Gains: None

b. Losses: None

2. Experiments, Developments and Innovations

a. No changes were made in the functioning of this Section during this reporting period.

b. Rehabilitation of the dispensary building T-17 has been started.

UNIT TRAINING SECTION

1. Personnel

a. Gained: None

b. Losses: None

2. Developments

a. During the quarter this section has briefed the Supply Account Custodian on the correct procedures for requesting property from DEMC.

b. The Turn-In the Excess Property has been completed, and excesses are being turned in as necessary.

c. During the quarter there were many items requested by the sections that could not be procured due to the lack of funds this section did however, meet the service requirements of the station without undue delay.

MOTOR POOL SECTION

1. Personnel

a. Joined: A2C J. L. Kelly, 63830, 7 February 1963

b. Losses: None

2. Developments

a. This section spent $639.17 in January for USA rental vehicles and drove 3,128 miles. In February we spent $663.09 and drove 9,724 miles. In March we spent $[illegible].14 and drove [illegible]. The totals for the quarter were $[illegible] and 27,[illegible] miles.

b. On the USAF vehicles a total of 4,052 miles for the quarter was driven.

FOOD SERVICE SECTION

1. Personnel

a. Joined: None

b. Passed: SSgt R.C. Vanderpriff, 52290, 28 Feb 63, Retired.
A2C A. J. [illegible], 52055, 9 Feb 63, Bermuda

c. 2/Lt Pasquale B. Debenedictis relieved 1/Lt John F. Beason as Food Service Officer.

2. Problems

a. The efficiency of the Food Service Section is being limited to near this due to a lack of personnel. The section is presently 50% manned.

b. Lack of a replacement for an ice making machine turned into DEMO is handicapping the operation of this facility.

PERSONNEL AND ADMINISTRATIVE SECTION

1. Personnel

a. Lt Colonel Theon E. Markham was promoted to temporary Colonel effective 25 March 1963.

b. 2/Lt Gerard J. [illegible] was promoted to temporary 1/Lt effective [illegible] February 1968.

c. A2C [illegible] Hillman and A2C Pedro Diaz were promoted to A1C.

d. A3C Aycock, J. M. Kotsic, J. A. Hunt and [illegible] A. Wallace were promoted to A2C.

F. Administration

Thirty airmen took SKT examinations and twenty-nine passed. These twenty-nine were upgraded in their respective AFSC's.

RCS: AU-D5

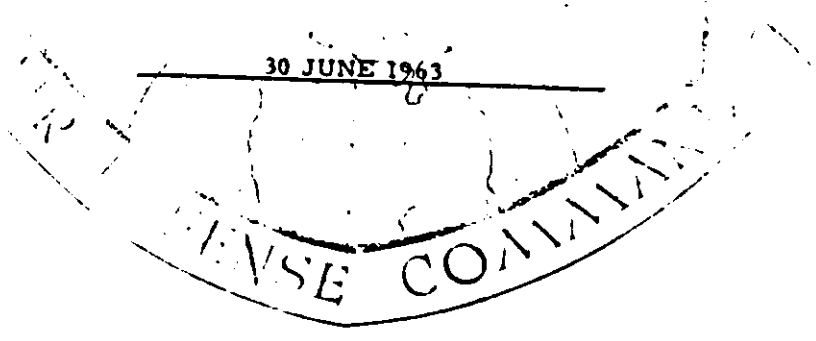
HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

30 JUNE 1963



ADC FORM MAY 58 102

P.C. 5818

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE)Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

ERNEST C. SKINNER, Lt Colonel, USAF

3. CHAIN OF COMMAND (Superior echelons)

773D Radar Squadron(SAGE) Montauk AFS, N. Y., Theon E. Markham, Colonel; New York Air Defense Sector, McGuire AFB, N. J. Brigadier General Salisbury; 26th Air Division (SAGE) Hancock Field, Syracuse, N. Y., Major General Viccellio; Air Defense Command, Ent AFB, Colorado, Lt General Lee; Hq NORAD, Colorado Springs, General Gerhart; Headquarters USAF, Washington, D. C., General LeMay; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the highest quality surveillance data to the New York and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 1963).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	11	157	20	188
ATTACHED	0	0	0	0

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(3 each)
4. AN/FST-1
5. AN/FST-2
6. AN/FRC-56
7. AN/FSW-1
8. AN/GPX-7A
9. AN/FPS-35
10. AN/FRT-49
11. AN/GKA-5
12. AN/FPS-26
13. TD-285 Multiplex Unit
14. AN/GSC-7

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into Sections, is as follows:

COMMUNICATIONS AND ELECTRONICS SECTION

1. Personnel.

a. Gains.

(1) Military

A1C Mullins, Lloyd, AFSC 30352
A1C Turner, Leroy, AFSC 30352
A1C Hunt, Edward, AFSC 30352
A1C Hayes, Charles, AFSC 36250
A2C Meyers, Robert, AFSC 30434
A2C Read, Thomas, AFSC 30434

(2) Civilian

Scott, Warner, Burroughs Technician

b. Losses

(1) Military

A1C Munette, Donald, AFSC 30454

(2) Civilian

Baros, Ernest, AVCO Engineer
Davis, Jimmie, AVCO Engineer
Larson, Orville, AVCO Technician
Burke, Andrew, Burroughs Technician

c. Classification Action

TSgt Gentle, James, 30332 to 30352
SSgt Clard, John, 30332 to 30352
SSgt Ryan, Richard, 30332 to 30352
SSgt Bancroft, John, 30454 to 30474
A2C Langston, Carter, 30332 to 30352
A2C Agens, Harry, 30434 to 30454

d. Promotions

SSgt Leckman, Dean, A1C to SSgt
A1C Luksic, Joseph; A2C to A1C
A1C Moryl, Frank, A2C to A1C
A1C Shenton, Norman, A2C to A1C
A1C Soto, Frederic, A2C to A1C

2. Visits and Inspections.

a. An assistance visit and inspection was conducted by NYADS on 25 and 26 April 1963. The purpose of this was to prepare the section for the 26th Air Division Inspection.

b. An IG Inspection was conducted by 26th Air Division on 29 and 30 April 1963. Radar Maintenance and Communications were found to be satisfactory. Material Control was unsatisfactory.

c. Mr. Thomas Vahey from the Standardization Section at NYADS visited the section on 22 to 26 April and again on 10 to 14 June for the purpose of AFM 66-1 testing.

d. A staff assistance visit was conducted on 25 through 27 June by NYADS to aid Materiel Control.

3. Equipment.

a. Communications.

(1) On 7 May 1963, a GEEIA team completed the repair and replacement of a 30 foot length of rigid RF transmission line for PA 1 of the AN/FRT-49.

(2) Approximately 95% of the radioactive shielding and bomb shelter is completed at the GATR site.

(3) The installation of 7 AS-1097/GR antennas and 26 ID-642/FSA RF monitors was completed by the 243rd ANG on 28 June 1963. The AFTO 88's are signed.

b. Radar Maintenance.

(1) The installation of the AN/UPS-T5 trainer was completed on 26 April by Mr. Thomas Vahey from NYADS.

(2) The AN/FPS-20 radar set was dismantled by Eastern GEEIA on 3 May. The sets shipment from site is still pending.

(3) One Plan Position Indicator, OA-99, serial number 142 was shipped to the 772 Radar Squadron, Gibbsboro AFS, N. J.

(4) A Depot Level Overhaul was accomplished on 8-17 May on the AN/FPS 6, Serial Number 24.

(5) Installation of the AN/UPV-14 was completed on 21 June 1963 by GEEIA. The AFTO 88's are signed.

4. Materiel Control.

a. A wall to wall inventory of Materiel Control and all Work Centers was completed on 26 April 1963. Approximately 3, 500 line items were identified as

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
ERNEST C. SKINNER, Lt Col, USAF	Ernest C. Skinner

excess. All excess is stored in the supply bunker awaiting disposition instructions.

b. On 2 May 1963, SSgt Spriggs was assigned as NCOIC of Materiel Control.

c. On 13 May 1963, a list of 570 pre-issue items was submitted to NYADS for approval, IAW AFM 66-1, Chapter 3, Paragraph 3-21.

OPERATIONS SECTION

1. Mission

a. 22 April 1963 - Ocean City Mode III

b. 25 April 1963 - Big Blast Oscar

c. 28 May 1963 - Ocean City Mode III

d. 29 May 1963 - Sea Brush

e. 21 June 1963 - Ocean City Mode III

f. No difficulties were encountered during any of the above listed exercises. There is, however, a need for additional training with the NORAD Control Center of the nature provided for in our too infrequent Mode III exercises.

2. Personnel

a. Gains

2Lt Hill, 1741A, 25 May 1963
2Lt Bozeman, 1741A, 25 May 1963
A2C DeLong, 27350, 26 April 1963
A2C Darby, 27350, 28 May 1963
A2C K. M. Dahl, 27350, 29 May 1963
A2C Manson, 27350, 5 June 1963
A2C Rodriquez, 27350, 8 June 1963
A2C Loper, 27350. 10 June 1963

b. Losses

Capt J. R. Weaver, 1744A, 24 June 1963
SSgt Gendreau, 27350, 21 May 1963
SSgt N. F. Cleveland, 27350, 25 May 1963
1Lt Jennisch, 1741A, 20 May 1963

c. Projected Gains

A3C D. C. Zimmerman, 27330, 20 July 1963
A3C Musalcyzk, 27330, 24 July 1963
A3C Ciccarello, 27330, 15 July 1963

d. Projected Losses

A1C L. Friedlander, 27350, TDY 16 Aug 63 - 120 days

3. Developments

a. On 13 May 1963, 2Lt Thisted was Combat Ready

b. The number of intercepts made available to this Station for Weapons Controller training during this reporting period were below minimum.

SECURITY AND LAW ENFORCEMENT SECTION

1. Personnel

a. Gains

A3C Gary G. Boyd
A2C James A. Butler

2. Experiments, Developments and Ideas

a. In compliance with Security Directives the Air Police Post was moved from the Main Gate to the Security Check Point, entrance to the Main Category I area. Subject post is manned on a twenty-four hour basis.

b. ADC Form 125 (Restricted Area Pass) put into effect 30 Apr 63 on an exchange pass system.

3. Supply and Maintenance

a. No ID camera received in replacement of unserviceable item turned in.

b. Portable radios (Tactical) requested were not received.

4. Major Problems

a. This section still requires a vehicle on permanent assignment to properly accomplish its Security and Law Enforcement mission.

GROUND SAFETY SECTION

1. Developments

a. There were no reportable ground safety accidents during this quarter. The 773D is still first in New York ADS in Ground Safety.

b. The oil drum racks have been installed in the trailer park during the past quarter. This has eliminated a major safety hazard.

c. The ADC Private Vehicle Accident Prevention Program has been completed. Newly arrived personnel have been briefed on safety and given the PVAP Program Lecture and Test.

d. The ADC Life Saver Campaign was started about mid-June and

was completed by 1 July.

PERSONNEL SERVICES SECTION

1. Personnel

a. Gains: SSgt B. E. Smith

b. Losses: SSgt Gendreau

2. Developments

a. A summer bowling league is in effect with four teams of three couples participating.

b. A golf tournament was held at the local club with 30 participants.

c. Station softball team has been formed and is currently competing in the East Hampton Softball League.

d. New tools amounting to $1200.00 have been received for the Auto Hobby Shop.

e. New tools amounting to $180.00 have been received for the Wood Hobby Shop.

MEDICAL SECTION

1. Personnel

a. Gains: None

b. Losses: None

2. Developments

a. During this quarter, the dispensary building, T-17 has been rehabilitated and the medical section has returned to the building.

UNIT SUPPLY SECTION

1. Personnel

a. Gains: 2Lt William McCabe

b. Losses: Captain J. M. Hreachmack(Suffolk County AFB, N. Y.)
A2C H. B. Easterlin (Transferred to Materiel Control)

2. Developments

a. During the quarter many items needed by the sections could not be procured due to a shortage of funds, however, the sections general requirements were met without delay.

MOTOR POOL SECTION

1. Personnel

a. Gains: A1C Traylor, 20 May 1963
A3C Wayne R. Owens, 19 May 1963

b. Losses: A1C Melvin Traylor, TDY, 23 May 1963
A2C Daniel F. Kelleher, PCS, 19 June 1963
A3C Wayne Owens, TDY, 23 May 1963

2. Developments

a. This section spent $579.28 in April for GSA rental vehicles and drove 8,417 miles. In May, we spent $656.72 and drove 9,644 miles. In June, we spent $651.90 and drove 9,609. The totals for the quarter are $1,887.90 and 27,670 miles.

b. Miles driven on USAF vehicles are 6,933.

c. This section exchanged one M43 truck ambulance registration Number 52K22508 for one Station Wagon Ambulance Registration number 63B12112 during this period.

PERSONNEL AND ADMINISTRATIVE SECTION

1. Personnel

a. Colonel Theon E. Markham was transferred to Suffolk County Air Force Base effective 30 June 1963.

b. Lt Colonel Ernest C. Skinner assumed command of Montauk Air Force Station, effective 1 July 1963.

CIVIL ENGINEERING SECTION

1. The 8000 hour overhaul on engines in Main Power Plant is complete on three engines.

2. Personnel

Gains: 1 ea Diesel Electric Generator Operator Foreman, F-6 (Mr. Charles Van Hoesen)

Losses: 1 ea Diesel Electric Generator Operator Foreman F-6 (Mr. Paul McDonald)

3. Developments

a. A contract has been awarded to Power Regulator Company to repair or replace all dampers and controls on the air conditioning. Also, to install hoods over exhaust louvers and to caulk and weather all areas of the FPS-35 tower that have leaks.

b. The Woodward Company is installing electronic governors on the 4 diesels in the Main Power Plant.

c. A contract has been awarded to retube the two 60 HP steam boilers.

FOOD SERVICE SECTION

1. Personnel

Lack of trained food service personnel is still seriously hampering this facility in properly carrying out its primary mission. During the past three months this facility has operated with five assigned food service personnel serving approximately 100 average rations per day, plus an additional meal each night for shift personnel.

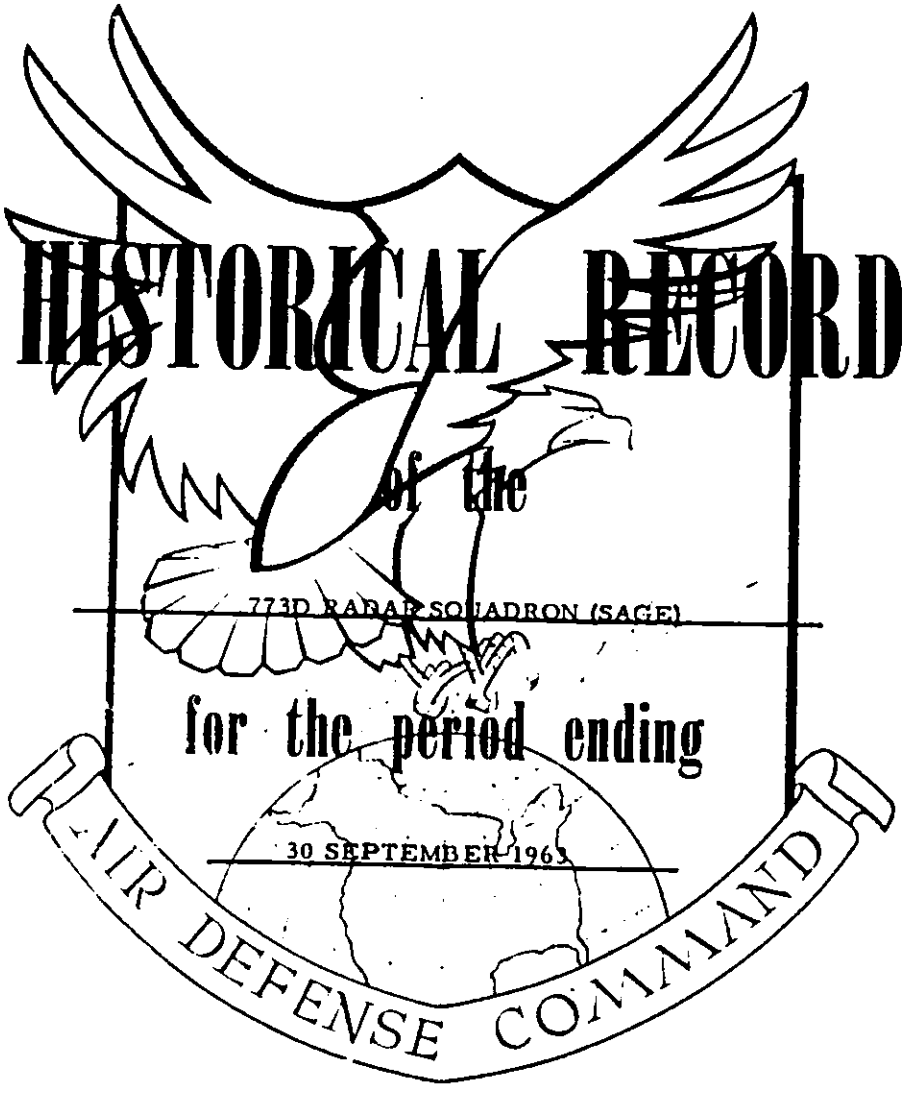
2. Projected Assignments

Projected assignments indicate that one each food service personnel is scheduled for the months of October, November and December 1963.

3. Projected Losses

Projected losses are one Food Service Supervisor retiring in December 1963 and one airman will most probably be forecasted for overseas shipment. This would result in a net gain of one one airman, which would make a total of six airmen assigned. The current UMD authorization calls for nine personnel assigned to this facility. Every effort and request has been made by this facility to obtain additional personnel in order to alleviate this problem., This lack of personnel has had a direct bearing on the discrepancies found during the annual audit. The Food Service Supervisor has, in addit on to his normal supervisory capacity, been required to spend most of his duty hours with food preparation instead of record keeping.

RCS: AU-D5



HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

30 SEPTEMBER 1963

ADC FORM MAY 66 102

P.C. 66:0

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE)Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

ERNEST C. SKINNER, Lt Colonel, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Ernest C. Skinner, Lt Colonel; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Coulter; 26th Air Division(SAGE) Stewart AFB, N. Y., Major General Agan; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Gerhart; Headquarters USAF, Washington, D. C., General LeMay; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the highest quality surveillance data to the New York and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAL Control Center. (NYADSR 23-3, 10 June 1963).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	13	170	20	203
ATTACHED	1			1

7. EQUIPMENT (Give official nomenclature and quantity of major end-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(2)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-840A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99 (8)
19. AN/UPX-14
20. AN/UPA-35(3)

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into Sections, is as follows:

COMMUNICATIONS AND ELECTRONICS SECTION

1. Personnel

   a. Gains

      (1) Military

      1Lt Edward K. Fuge
      1Lt Noel E. Walton (TDY)
      TSgt Clare M. Corbin
      SSgt Charles M. Hardcastle
      SSgt Joseph E. Daire
      A1C Edward Herbst
      A2C James Johnson
      A2C Bruce W. Smith

      (2) Civilian

      None

   b. Losses

      (1) Military

      SSgt Leckman, Dean P.
      A1C Frank Moryl, Jr.
      A1C Pedro J. Gonzalez

      (2) Civilians

      None

   c. Classification Action

      A1C Charles E. Strebel, 30332 to 30352
      A2C Charles R. Porman, 30332 to 30352
      A2C Donald M. Leeworthy, 30531 to 30551
      A2C Helmut Knefley, 30434 to 30454

   d. Promotions

      None

2. Visits and Inspections

   a. Mr. Grandin of Tektronix, Inc., visited this station on 26 September 1963 to indoctrinate our personnel on the use of Tektronix Oscilloscopes.

   b. A quality control inspection was conducted by NYADS from 19 through 23 August 1963.

c. CMSGT George Conboy, ADC Test Equipment Review and Authorization Representative, visited the section on 5-7 August 1963 to inspect property and record maintenance.

d. ECM tests were conducted by Rome AMA and AF Systems Command, utilizing our Manorville Gap Filler, AN/FPS-14, site commencing on 18 September 1963.

e. A staff assistance visit was conducted on 10 September 1963 by Stewart AFB Supply personnel.

3. General

a. On 14 July 1963, approximately 2600 excess items were shipped by government van to base supply at Stewart AFB, New York.

b. On 5 September 1963, Mr. Walter Aley was assigned to Materiel Control for 90 days to work on PCSP records.

c. A 70 hour course on the AN/FPS-35 radar was given to Radar Maintenance by Mr. Warren Scott, Burroughs Technician.

d. Indicator OA-99/CPS-6B(Serial #147) was installed as a surveillance scope replacing the OA-175 indicator, property of the MITRE Corporation.

e. Three AN/UPA-35 indicators were overhauled on 26 through 30 August 1963 by a DLM team from Rome AMA.

f. Mr. Holleman, RCA Rover, conducted an indoctrination course on the AN/GKA-5 from 3 September to 30 September 1963.

g. A Quality Control Section was established during the month of September for purpose of aiding the quality of equipment maintenance.

h. An MDA team from Rome AMA overhauled the AN/FPS-35 radar during the month of August and September.

OPERATIONS SECTION

1. Mission

a. 1 July 1963 - Seabrush
b. 19 July 1963 - Ocean City Mode III
c. 6 Sept 1963 - Skim Milk I Mode III
d. 10 Sept 1963 - Seabrush III
e. 11 Sept 1963 - Apache Pipe
f. 13 Sept 1963 - Snow Time I
g. 16 Sept 1963 - Ocean City Mode III
h. 30 Sept 1963 - Skim Milk Mode III
i. No difficulties were encountered during any of the above listed exercises. There is still a need for additional training with the NCC.

2. Personnel

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
ERNEST C. SKINNER, Lt Col, USAF	Ernest C. Skinner

a. Gains

(1) Military

A2C Zimmerman, 27350
A3C Correll, 27350
A3C Ciccarello, 27350

(2) Civilian

None

b. Losses

(1) Military

Captain Griswold, 1744A, PCS
Captain Singleton, 1741A, PCS
A2C Aycock, 27350, PCS

c. Projected Gains

2Lt R. L. Mounts, 1741A, 20 Dec 1963
2Lt G. E. Wilkinson, 1741A, 22 Nov 1963

SECURITY AND LAW ENFORCEMENT SECTION

1. Personnel

a. A2C Richard H. Peters has separated from the service.

b. A2C Joseph P. Tagliareni, USAF RES, reported in for 2 days duty.

c. A2C Carter B. Langston was assigned TDY to this section from the Radar Maintenance Section on 3 October 1963.

2. Experiments, Developments and Ideas

a. ADC Forms 125(Restricted Area Passes) are now being utilized as a single pass system instead of as a double pass system with local passes.

3. Supply and Maintenance

a. An ID camera, requested as a replacement for the unserviceable camera in October 1962, has not been received.

b. The non-tactical portable radios requested have not been received.

c. No vehicle has been assigned to this section on a permanent basis for security and sabotage alert purposes.

4. Major problems

a. Attempts are being made to relocate the Security & Law Enforcement Office at the entrance of the main restricted area. The building, when one has been found, will house Central Security Control, Security Checkpoint, and Pass

and ID and an arms room.

GROUND SAFETY SECTION

1. Developments

a. During this quarter, there was one reportable ground safety accident. The accident involved two airmen in a POV.

b. The ADC Life Saver Campaign, which began 1 June, was completed 30 September 1963. A nominee from this squadron is to be selected at a public drawing to compete at 26th Air Division for prizes in the ADC Life Saver Campaign.

PERSONNEL SERVICES SECTION

1. Personnel

a. Gains

Military

A2C Edgar L. Bergen

Civilian

None

b. Losses

None

2. Developments

a. An entertainment group was formulated on 17 September 1963 with 17 persons attending. A second meeting was held to vote on a constitution and 30 members passed it unanimously. The purpose of this group is to give military and civilian personnel of this station an opportunity to participate in various entertainment activities and to provide entertainment for the personnel of this station.

b. The Montauk AFS softball team concluded its season in the East Hampton League with a record of 4 wins and 11 losses.

c. The annual ADC Field Day was held on 24 August 1963. 200 civilians, military personnel and their dependents participated in events ranging from the 100 yard dash to an egg throwing contest. Lt Colonel Skinner presented trophies to the winners of each event.

d. A horseshoe tournament was held at the NCO Club with 12 men competing.

e. The Montauk AFS Telstar Bowling League started on 18 September 1963 in East Hampton, N. Y. Eight teams are competing in the league consisting of both military and civilian personnel.

f. The Montauk AFS basketball team held its first practice on 26 September 1963. The team is competing against 12 teams in the intramural league at the Suffolk County Air Force Base gymnasium.

g. A new pool table was ordered in August 1963 for the Service Club.

MEDICAL SECTION

1. Personnel

a. Gains

None

b. Losses

None

c. Projected Losses

MSgt Archie A. Miller, retiring as of 29 February 1964.
SSgt Smith, Henry E., overseas shipment as of February 1964.

2. Developments

a. During this reporting period, the rehabilitation of the dispensary building T-17 was accomplished.

3. Cross Training

None

4. Promotions

None

UNIT SUPPLY SECTION

1. Personnel

a. Gains

None

b. Losses

2Lt William M. McCabe, for 10 weeks during July-September to attend Supply Officers School at Amarillo AFB, Texas.

MSgt Goheen, PCS to Lockbourne AFB, Ohio.

2. Developments

a. The allocation for Base Procurement Service Store Funds were reduced to $450.00 (LP Store Expendables, Office and Janitorial Supplies).

MOTOR POOL SECTION

1. Personnel

a. Gains

A3C Joseph Gregory, AF11423958, 3 September 1963.

b. Losses

None

2. Developments

a. GSA Mileage for July - 8,759 Cost $656.83 Total Mileage - 22,841
Aug - 6,942 521.55 Total Cost - $1,707.02
Sep - 7,140 528.64

b. USAF mileage total for July, August and September - 8,957.

PERSONNEL AND ADMINISTRATIVE SECTION

1. Personnel

a. On 1 July 1963, Lt Col Ernest C. Skinner assumed command of the 773D Radar Squadron, Montauk, N.Y., relieving Colonel Theon E. Markham.

b. MSgt Joseph M. Evans assumed the duty of Squadron First Sergeant on 26 August 1963. MSgt Miller returned to duty as chief of the 773D Radar Squadron Nursing Support.

CIVIL ENGINEERING SECTION

1. Personnel

No changes

2. Developments

a. The AN/FPS-35 tower was caulked to prevent leakage.

b. Both boilers at the Boiler Plant were retubed.

c. Lightning struck the number one well, burning out the pump motor. A new pump motor was installed.

d. The Station septic tanks were pumped out and cleaned.

e. New electric governors were installed on each of the four (4) engines at the Main Power Plant.

f. AN/FPS-35 tower dampers are repaired as needed. All air conditioning pneumatic and electrical controls are calibrated or replaced as needed.

FOOD SERVICE SECTION

1. Personnel

a. Gains

One airman - 70250
One airman - 62230

b. Losses

None

c. Projected Gains

One airman - 62150, October 1963
One airman - 62250, November 1963

2. Developments

a. Work orders have been submitted to rehabilitate the dining room facility in the near future, including the painting of walls and ceilings, the installation of a hood above the serving line, a partial partition between the dining room and the serving line, wainscoting of walls with a formica type wall board and laying of a new tile floor.

RCS: AU-D5

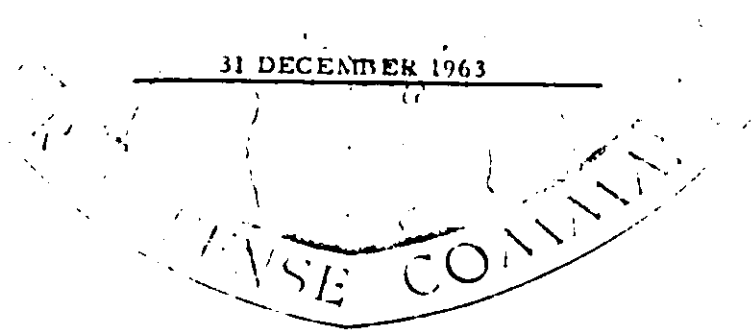
HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

31 DECEMBER 1963



ADC FORM MAY 55 102

P.C. 9310

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE)Montauk, N.Y.

2. NAME AND GRADE OF COMMANDER

ERNEST C. SKINNER, LtColonel, USAF

3. CHAIN OF COMMAND (Superior echelons)

773D Radar Squadron (SAGE) Montauk AFS, N.Y., Ernest C. Skinner, Lt Colonel; New York Air Defense Sector, McGuire AFB, N.J., Brigadier General Coulter; 26th Air Division(SAGE) Stewart AFB, N.Y., Major General Agan; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Gerhart; Headquarters USAF, Washington, D.C., General LeMay; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the highest quality surveillance data to the New York Air Defense Sector and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 1963).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	16	160	23	199
ATTACHED				

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(2)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-840A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35-3

Section II.	COMMENTARY

Narrative of Squadron activities, broken down into Sections, is as follows:

COMMUNICATIONS AND ELECTRONICS SECTION

1. Personnel

a. Gains

(1) Military:

SSgt James Cook, 30531
A2C Richard Cleeg, 30352
A2C Joseph Daino, 30434
A2C Paul Poje, 30434

(2) Civilians: None

b. Losses

(1) Military

TSgt James Gentle, 30352
SSgt Joseph Daire, 30332
SSgt John Bancroft, 30472
A1C Frederick Soto, 30352
A1C John Bushek, 30551
A1C Robert Kissam, 30454
A1C Larry Nosel, 30454
A2C John Hill, 30454
A2C Thomas Read, 30434

(2) Civilians

Mr. Monte Brandman, Burroughs Tech Rep
Mr. Larry Kristick, Burroughs Tech Rep
Mr. Gerald Jacobs, Burroughs Tech Rep

c. Classification Action

Capt Edward K. Fuge, 3044B to 3041B
Capt Edward K. Fuge, 3041B to 3044B
A2C Richard Lonergan, 30332 to 30352
A2C Richard Hamilton, 30531 to 30551
A2C Donald Meier, 30434 to 30454

2. Visits and Inspections

a. NYADS representatives were on station during November 1963 for the installation and acceptance of the ALRI antenna facility.

b. Lt Col Wilcox, Chief of Ground C-E-M Maintenance at NYADS, visited the Communications and Electronics during November and December 1963. The purpose of the visits were of a general nature.

c. Mr. Salute, ADOAC-MM, visited on 14 October 1963 to train personnel on the theory and operation of the Klystron tubes.

d. Representatives from Airborne Instrument Laboratories, Hanscom Field, ROAMA and ESD, conducted tests on the AN/GPA-98 ECCM Simulator utilizing the FPS-26.

3. Equipment:

a. The relocation of the single ground to air channels were completed on 11 October 1963. The plan was engineered to minimize the effects of intermodulation and harmonic interference with adjacent channels. All ground to air channels were aligned in accordance with T.O. 31Z1-416-10.

b. Mr. Elliot C. Hendry, RCA representative, from 26th Air Division conducted training on the AN/GKA-5 during October 1963.

c. Installation of TCTO 31S1-2GKA5-501, was completed on the AN/GKA-5 equipment on 11 November 1963. This modification provides circuiting improvements for the GKA-5. This modification was accomplished prior to the TCTO 31S1-2GKA-5-501, by Mr. Hayford, RCS field representative.

d. Installation of TCTO 31R2-2GRC27-524 was completed 20 December 1963 on the Radio Set AN/GRC-27 equipment. This modification is to eliminate failure of relays, K1404 and K1405 located in the modulator-power supply, MD-129A/GR part of the radio set, AN/GRC-27.

e. DLM was performed on the AN/FST-2A from 2 October 1963 - 21 November 1963 by an overhaul team from ROAMA.

f. Emergency MDA was performed on the AN/FPS-6 antenna (OA-389) sail bracing and struting from 9-13 December 1963.

g. AN/FST-2-737 modification, ECM Passive Strobe Detection, was started on A channel on 16 December and completed on 30 December 1963.

OPERATIONS SECTION

1. Missions

a. 9 October 1963 - Skim Milk III
b. 10 October 1963 - Top Rung I
c. 18 October 1963 - Skim Milk IV
d. 6 November 1963 - Mute VII
e. 21 November 1963 - Skim Milk V
f. 10 December 1963 - Desk Top VI
g. 18 December 1963 - Shock Wave X
h. No difficulties were encountered during any of the above exercises. There is still a need for additional training with the NCC.

2. Personnel

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
ERNEST C. SKINNER, Lt Col, USAF	Ernest C Skinner

Gains

a. 2Lt Szymkowicz, P.A. 1741A
b. 2Lt Mounts, R. L., 1741A

Losses

a. 2Lt Thisted, P. A., 1744A, PCS
b. A2C Miller, Allan, 27350A, PCS

Projected Gains

a. A3C Utz, 27330A, 24 Jan 64
b. 2Lt Spedel, 1741A, April 1964
c. 2Lt Williams, 1741A, April 1964
d. 1Lt Dawson, 1744A, 15 Feb 1964

SECURITY AND LAW ENFORCEMENT SECTION

1. Experiments, Developments and Ideas

a. A request was submitted through BCE channels for the construction of a building to be erected at the present site of the security checkpoint. This building would house the security checkpoint, central security control, pass and ID registration, arms room and security and law enforcement office. A building of this type will greatly improve the efficiency of all Security and Law Enforcement activities during normal operation and expanded security.

2. Supplies and Maintenance

a. The Polaroid ID camera requested in October 1962 from BEMO was not received at the time of this report.

b. Non tactical radios received and placed in operation.

c. No vehicle permanently assigned to this section for Security and Sabotage alert purposes.

3. Major Problems

a. The shortage of permanently assigned Air Police personnel continues to be a major problem.

4. Personnel:

a. A2C Tagliareni, Joseph P., USAF Reserve, reported for duty and training on 2 December 1963 for 14 days.

GROUND SAFETY SECTION

1. Developments:

Lt Hill was assigned the additional duty as Ground Safety Officer. A new ground safety council was installed.

PERSONNEL SERVICES SECTION

1. Personnel

a. Gains:

2Lt Robert Mounts

b. Losses:

2Lt Paul A. Thisted
1Lt Harry W. Mumford II

2. Developments

a. A pool tournament was held. Twelve participants completed the tournament. A1C Traylor took 1st place with SSgt Robinson runner up.

b. The Montauk basketball team did extremely well in intramural competition held at Suffolk County AFB, N. Y.

MEDICAL SECTION

1. Experiments, Developments and Ideas

a. After the dispensary was rehabilitiated the personnel of the medical section spent considerable time and effort in changing the appearance in the waiting room and pharmacy. This was accomplished as follows: A green border was painted in the waiting room and several pictures were hung which made a more relaxed atmosphere.

2. Supplies and Maintenance

Medical supply items are procured through the Support Base Medical Supply Section on a priority basis. Most items are available but a few are placed upon a back order status until they can be obtained from a medical supply depot. General medical equipment, medical linen, instruments, medicinals, biologicals and dental supplies are issued through the support base medical supply section. Office furnishings and normal expendable supplies are issued through the Squadron supply section. Maintenance of medical and dental equipment is the responsibility of the support base medical supply section while maintenance of normal request items is conducted by the Squadron supply section.

3. Major Problems

This squadron has not had the services of a physician since October 1961 at which time the contract physician resigned.

4. Personnel

a. At this time there are two medical technicians assigned to this dispensary,
MSgt Archie A. Miller, AFSC 90270B, NCOIC
SSgt Henry E. Smith, AFSC 90250B, ADM

b. No medical personnel have been promoted or are in cross training during this reporting period.

SUPPLY SECTION

1. Personnel

a. The Unit Supply Section has three people assigned: 2Lt William M. McCabe, SSgt Andrew Jones, and Mr. Walter J. Aley, Civilian.

b. During the month of November, the Unit Supply office was moved from the old gun bunker to the former TROPO building. The supply office was located in the old gun bunker for more than five years.

MOTOR POOL SECTION

1. Personnel

Gains: None

Losses: A1CAlfred Horn

2. GSA Mileage for October - 8,934 Cost $664.00
GSA Mileage for November - 10,057 763.00
GSA Mileage for December - 11,215 842.00

PERSONNEL AND ADMINISTRATION

1. SSgt Raymond J. Kwiatkowski was upgraded to the 7-level skill.

2. OJT effectiveness for the squadron for the year 1963 was 94%.

3. On 19 December 1963, the administrative section received a new duplicating machine.

CIVIL ENGINEERING SECTION

1. New governors were installed on each of the three engines at the GATR Site.

2. The main power panel at the GATR Site was rewired.

3. Number 3 engine fuel pump at the Main Power Plant was damaged and the pump was replaced.

4. The trunk line supplying commercial electrical power to Montauk Air Force Station burned out, causing loss of commercial power. At present, repair is pending awarding of a contract. Until such repair is made, electrical power will be furnished by Base power.

5. The number 2 waste heat boiler has ruptured tubes, repair pending awarding of contract.

FOOD SERVICE PERSONNEL

1. Personnel

a. With the assignment of two additional food service personnel, 62150 and 62230, during the months of November and December 1963, this Unit's food service facility is now 100% manned.

2. Developments

a. Work orders submitted for the renovating of the dining room were returned disapproved. With the cooperation of the Station Commander, Station Civil Engineering personnel, and personnel from the food service section, most of the proposed renovations were accomplished through project "self help".

b. Work orders will be resubmitted to have the remaining unaccomplished parts of this project, i.e., extension of hood over the steam table and partial partition between the serving line and dining room, accomplished in the near future.

COMMISSARY

1. On 15 October 1963, the 773D Project Breadwinner Commissary was opened for business. It was staffed with three civilian personnel. When first opened, operating equipment consisted of no more than a check out counter, cash register and a safe. There was no meat, no produce and only a limited supply of grocery items which were displayed as neatly as possible on empty containers around the small enclosure.

2. The building, a former transmitter enclosure, is of cement block construction and has no windows. There are three entrances, one of which has been closed permanently. The floor space in the shopping area is an adequate 870 square feet.

3. To obtain the maximum utilization of floor space, upright freezer and dairy display cases were ordered. Attractive all metal shelving for wall and island merchandise display were ordered through GSA. Most of the display equipment was received at this unit's commissary during the first half of December 1963.

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

31 MARCH 1964

ADC FORM FEB 64 102 PREVIOUS EDITION OF THIS FORM MAY BE USED FC: 5300

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Sq (SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

ERNEST C. SKINNER, Lt Col, USAF

3. CHAIN OF COMMAND (Up to and including Air Defense Command)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Ernest C. Skinner, Lt Col; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Coulter: 26th Air Division(SAGE) Stewart AFB, N. Y., Major General Agan; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Gerhart; Headquarters USAF, Washington, D. C., General LeMay; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the highest quality surveillance data to the New York Air Defense Sector and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 63).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	11	156	23	190
ASSIGNED	15	157	23	195

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(2)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-840A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13)
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35-3

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc., (3) equipment performance, (4) facilities, (5) maintenance and supply problems, (6) personnel matters affecting the mission, (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations Section:

Mohegan Chief/Feather I	13 February 64
Mohegan Chief/Feather II	20 February 64
Mohegan Chief/Feather III	27 February 64
Apache Chief I	3 March 64
Mohegan Chief/Feather V	19 March 64
Mohegan Chief/Feather VI	12 March 64
Desk Top VI	9-13 March 64

There were no difficulties encountered during any of these missions. Through 1 February 1964, a total of 195 actual intercepts were conducted with a mission accomplished rate of 81%. When operating difficulties placed the FPS-35 search radar in standby status only, controller proficiency was maintained through simulated intercepts. 139 simulated intercepts were conducted. Twenty seven hours of academic training classes were held and 8 hours of ECM and ECCM movies were shown.

CHANGES IN PRIMARY EQUIPMENT

Mr. Priestly of Burroughs was called in to assist in correcting deficiencies in the FST-2A modification (737). AN/FST 2A-737 modification (Passive Detection) was completed on "B" channel. Considerable difficulty was encountered in completing the modification, as an important Burroughs Mechanogram "001" giving instruction on the removal of a previous MITRE installed modification was missing. Two modification 31R2-2GRT-3 510 and 3151 2FRT-49 502 were completed on the respective equipment at the GATR Site.

EQUIPMENT PERFORMANCE

The AN/FPS-35 search radar set, Air Force owned and FAA maintained has been off the air and held in emergency standby since early January due to an antenna bearing failure. Estimated return to readiness date is 15-30 June. The complex Passive Strobe Detection and reporting modification has been completed and checked on both channels of the AN/FST-2A coordinate data transmitter. This modification provides azimuth reporting of passive strobe jamming to the direction center computer.

FACILITIES

On 21 January 1964 at 0505 hours, base electric power was cut off because of underground cable failure. Personnel from Suffolk County AFB and Long Island Lighting Co. restored commercial power at 1315 hours the same day. On 29 March the underground cable furnishing electric power to the FPS-26 tower, P-100 and the former Tropo Building burned out. A temporary overhead cable was put up while the underground cable is being repaired. In March a 50 ton air conditioning compressor was ordered for SAGE Operations.

MAINTENANCE AND SUPPLY PROBLEMS

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

Section II. **COMMENTARY** *(Continued)*

PART II: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale, (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Lt Colonel Ernest C. Skinner	14317A	Commander
Major Olin W. Crow	39660A	C&E Officer
Capt John P. Beason	AO3085852	Operations
1Lt Pasquale B. DeBenedictis	AO3128248	Personnel/Admin.
2Lt William M. McCabe	AO3138296	Supply Officer

COMMUNITY RELATIONS

During this reporting period, the following community relations programs were accomplished:

1. Showing of the films "Seconds for Survival" to the Montauk and East Hampton Lions Club, and the film "American Heritage" to the school children of Montauk.

2. The Squadron as a unit, marched in the annual St Patrick's Day Parade held in the village of Montauk. A flag raising ceremony honoring the United Nations was participated in. This unit provided the honor guard for the three day period that the flag was flown.

AWARDS

26th Air Division Ground Safety Award for the period 1 Sept 63 to 29 Feb 64.

MORALE

Morale has been above average during the winter season, even though the local facilities of the community have been closed. Extensive participation in bowling leagues on and off base, club activities and off duty educational programs have been effective in promoting good morale.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian)	SIGNATURE
Pasquale B. DeBenedictis, 1Lt	Pasquale B DeBenedictis
APPROVED BY (Typed name and grade of commander)	SIGNATURE
Ernest C. Skinner, Lt Colonel	Ernest C Skinner.

Section II continued

Availability of parts for support of AN/FPS-26 FD Height Finder radar, continues to be a problem. There has been poor delivery time on oils, lubricants and gases. Delivery takes 6-8 weeks. This delay has resulted from changes in procedures used by Base Supply for ordering POL items. Items are ordered from the depot who then authorizes base supply to local purchase the items. Under the former system, Base Supply could local purchase most oils and lubricants without first going through Depot. Materiel Control has had several problems which are caused by poor data control at EACC. In a recent change of control numbers for pre-issue items, EACC overcharged the site with 180 items, while paperwork on other items was lost.

PERSONNEL MATTERS AFFECTING THE MISSION

The Electronics Data Processing section undermanned at the start of this quarter, is now hampered by the assignment of 3 level airmen who, though willing to work, are not familiar with the T-2A data processing machine. It is felt that continued training and familiarization with the equipment will solve this problem.

Power Production is undermanned. A recently received O/T from ADC will increase authorization in this career field from 15 to 19 airmen. This increase is felt to be adequate. Another problem in this area is OJT. 40% of the assigned personnel are 3 level airmen. Since this section is responsible for the operation of a small prime power unit 5 miles away, it is difficult to adequately train these airmen.

Overall, the Squadron is numerically well manned, however, its functioning is definitely impaired by a lack of assigned NCO's. Presently, this unit is authorized 73 NCO's but has only 41 assigned.

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

30 JUNE 1964

1

Section I. **REQUIRED DATA**

1. INSTALLATION

773D Radar Sq (SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

ERNEST C. SKINNER, Lt Col, USAF

3. CHAIN OF COMMAND (Give full titles)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Ernest C. Skinner, Lt Col; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Coulter; 26th Air Division(SAGE) Stewart AFB, N. Y., Major General Agan; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Gerhart; Headquarters USAF, Washington, D. C., General LeMay; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Name and include squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the highest quality surveillance data to the New York Air Defense Sector and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air Defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 63).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	11	156	23	190
ASSIGNED	13	155	23	191

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(2)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-840A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35-3

Section II. **COMMENTARY**

(See AFC Supplement 1 to AFR 230-1 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc., (3) equipment performance, (4) facilities, (5) maintenance and supply problems, (6) personnel matters affecting the mission, (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Radar Squadron Operations Section:

Mohegan Chief VI	9 April 1964
Mohegan Chief VII	23 April 1964
Mohegan Chief/Feather VII	24 April 1964
Mohegan Chief XII	4 June 1964
Mohegan Chief IX	5 June 1964
Mohegan Gold II	11 June 1964
Mohegan Feather XIII	19 June 1964
Mohegan Chief	25 June 1964

Since the FPS-35 search radar has been in standby status since February 1964, controller proficiency has been maintained by simulated intercepts and cross training trips to Palermo AFS, N. J. 143 simulated intercepts and 103 actual intercepts were conducted during this reporting period. 24 hours of academic training classes were held and sixteen hours of ECM and ECCM movies were shown.

CHANGES IN PRIMARY EQUIPMENT

Mr. Priestly of the Burroughs Co. arrived 6 April 1964 to assist in debugging the 737 modification on the AN/FST-2. Instructions on the removal of a previously installed MITRE, experimental version of the modification, were never received. After instructions were received from Burroughs, removal of the MITRE modification was completed, and the approved TCTO 737 operated satisfactorily.

EQUIPMENT PERFORMANCE

A new AN/FPS-35 antenna bearing has been installed. Contract installation was completed on 13 June 1964 but has not been accepted due to metal slivers, shavings and chips found in the main bearing lube after check out by DLM/contractor team. A test is presently being conducted to determine whether this is due to normal wear.

A GEEIA team arrived on 15 May 1964 to relocate the MAJAC console from the FPS-35 tower to the Operations Building. Relocation is not complete due to a lack of proper length 19 conductor cable. The GEEIA team has departed temporarily, pending receipt of the cable from CESAC.

FACILITIES

On 26 April 1964, a government owned 100 pair lead shielded cable between the Operations Building and the ALRI receiver site became inoperative due to a short caused by water seepage. Contract repair was done by New York Telephone Company.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

SECTION II (Continued)

FACILITIES

The #3 engine in the power plant developed crank case pressure. The CEMIRT found nothing definite, and suggested that the engine be used only in an emergency. A new 50 ton air conditioning compressor was installed for SAGE Operations.

PERSONNEL MATTERS AFFECTING THE MISSION

Manpower and manning continue to be a problem in the 543XO career field. A manpower authorization change submitted 9 April 1964, to 26th Air Division changing supervision of the power plant from a 56570 heating supervisor, to a 54370 electric power production supervisor, together with manpower authorization changes based on the ADC organization table were not sent forward from 26th Air Division until late June. The manning assistance request, forwarded with the Manpower Authorization Change has not resulted in any projected gain. Effective 1 July, manning authorization in the 273XO career field increased from 35 to 39, dropping the percentage of manning from 86% to 77%. There are 4 projected losses and two projected gains in this area during the next four months.

This unit continues to operate with less than 70% of its authorized NCO strength. A situation which seriously affects proper supervision of assigned personnel.

Section II. **COMMENTARY** *(Continued)*

PART II. This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Lt Colonel Ernest C. Skinner	14317A	Commander
Capt Edward K. Fuge	66934A	C-E-M Supervisor
Capt William Dawson	AO3102601	Operations Office
1Lt Pasquale B. DeBenedictis	AO3128248	Personnel/Admin
2Lt William M. McCabe	AO3138296	Supply Officer

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian)
Phillip A. Szymkowicz, 2Lt, USAF

SIGNATURE
Phillip A. Szymkowicz

APPROVED BY (Typed name and grade of commander)
Ernest C. Skinner, Lt Col, USAF

SIGNATURE
Ernest C. Skinner

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

30 SEPTEMBER 1964

Section I. REQUIRED DATA

1. UNIT AND LOCATION

773D Radar Sq(SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

ERNEST C. SKINNER, Lt Col, USAF

3. CHAIN OF COMMAND (Name and location)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Ernest C. Skinner, Lt Col; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Coulter; 26th Air Division(SAGE) Stewart AFB, N. Y., Major General Shores; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Gerhart; Hq USAF, Washington, D. C., General LeMay; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Name and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the highest quality surveillance data to the New York Air Defense Sector and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 63).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	11	161	23	195
ASSIGNED	10	146	23	179

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(2)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-840A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc., (3) equipment performance, (4) facilities, (5) maintenance and supply problems, (6) personnel matters affecting the mission, (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Radar Squadron Operations Section:

Mohegan Feather XV	10 July 1964
Mohegan Feather XVI	17 July 1964
Mohegan Feather XVII	31 July 1964
Mohegan Feather XVIII	14 August 1964
Apache Race/Feather III	19 August 1964
Mohegan Feather XIX	21 August 1964
Mute X(NORAD ORE)	3-5 Sept 1964
SAGA 22-64 ADC ORI	16-17 Sept 1964

During this reporting period 667 actual intercepts were made and 571 simulated were conducted. 19 hours of academic classes were held.

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

Performance of the new AN/FPS-35 antenna azimuth bearing was accepted on 21 August 1964. After four weeks of contractor monitored tests during July and August with a local modification to the bearing lube system plumbing, the amount of metal particles periodically recovered from the lube system had diminished to a point where equipment performance is acceptable.

FACILITIES

A depot DLM team arrived on 2 July 1964 to replace our AN/FPS-6 antenna sail. The new antenna was installed, leveled, the feed horn focused and elevation alignments performed.

A depot level team from the United Corporation cleaned, repaired and repainted both of our CW-208C radomes. The team departed on 21 August 1964.

On 14 Sept 1964, a 26AD antenna team arrived to inspect and repair as necessary all the antennas and the associated support poles at the GATR Site.

A depot DLM team arrived on 16 Sept 1964 to locate and repair the oil and water leaks in the antennas azimuth drive system of the AN/FPS-14.

#2 fan and hub assembly for the radiator cooling tower broke. The parts are on order.

Both units of the T-2 air conditioning have bad seals and are leaking freon and oil. 26th AD sent a team to inspect the two units and make recommendations. A project has been forwarded to support base for replacement of compressors, cooling towers and associated equipment.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PERSONNEL MATTERS AFFECTING THE MISSION

NCO strength continues to be far below that needed to effectively maintain equipment and train airmen. Currently, there are 41 NCO's assigned, 72 authorized. With regard to NCO's, this squadron is 57% manned.

Section II. **COMMENTARY** *(Continued)*

PART II. This part should include a list of key personnel and information on: (1) community relations, (2) awards and decorations, (3) morale, (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Lt Colonel Ernest C. Skinner	14317A	Commander
Capt Edward K. Fuge	66934A	C-E-M Supervisor
Capt William Dawson	AO3102601	Operations Officer
1Lt Pasquale B. DeBenedictis	AO3128248	Personnel/Admin
2Lt William M. McCabe	AO3138296	Supply Officer

The Air Force Commendation Medal was awarded to MSgt John Enley on 21 August 1964.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian)
Phillip A. Szymkowicz, 2Lt, USAF

SIGNATURE
Phillip A. Szymkowicz

APPROVED BY (Typed name and grade of commander)
Ernest C. Skinner, Lt Col, USAF

SIGNATURE
Ernest C. Skinner

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

31 DECEMBER 1964

Section I.	REQUIRED DATA
1. UNIT AND LOCATION	2. NAME AND GRADE OF COMMANDER
773D Radar Sq(SAGE) Montauk, N. Y.	ERNEST C. SKINNER, Lt Col, USAF

3. CHAIN OF COMMAND (Next higher)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Ernest C. Skinner, Lt Col; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Coulter; 26th Air Division(SAGE) Stewart AFB, N. Y., Major General Shores; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Gerhart; Hq USAF, Washington, D. C., General LeMay; Secretary of the Air Force, President of the United States.

4. SUBORDINATE UNITS (Location and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the highest quality surveillance data to the New York Air Defense Sector and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 63).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	11	161	23	195
ASSIGNED	11	136	23	170

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(2)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-840A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A - Paragraph should contain significant information relating to your unit's mission performance. Some basic subjects to consider are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc., (3) equipment performance, (4) facilities, (5) maintenance and supply problems, (6) personnel matters affecting the mission, (7) any other subject bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Radar Operations Section:

Mohegan Race V	2 October 1964
Mohegan Feather XXII	23 October 1964
Mohegan Race XI	20 November 1964
Mohegan Feather XXIII	18 December 1964

During this reporting period 690 live intercepts were made and 396 simulated intercepts were conducted. 25 hours of academic classes were held.

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. Evaluations conducted by the 4754 Radar Evaluation Squadron, Hill AFB, Utah and SAGE System Quality Control, NYADS indicated that the Manorville Gap Filler equipment was not operating with prescribed SAGE specifications. Depot Level Maintenance(DLM) was requested and accomplished on the antenna drive system of the AN/FPS-14 in September 1964. During the period 25 November - 9 December, further DLM was completed on both the electronic portion of the radar set (AN/FPS-14) as well as rehabilitation of the data transmission equipment (AN/FST-1). The entire Gap Filler subsystem was tested and accepted for SAGE operation on 9 December 1964.

b. Depot Level Maintenance (DLM) was required to replace NORS Rotary Coupler in the FPS-35 which had been causing loud vibration. At the same time the depot team inspected the antenna azimuth drive system and found several vertical couplers and gear boxes in need of realignment. They could not affect repairs on this trip due to a lack of alighment tools. A separate request for later emergency repair of these items was sent to NYOAC.

FACILITIES

Replacement of pressurized co-axial transmission lines (RG-255) leading to the antenna poles for ground-air radios was accomplished by the 26th Air Division outside plant/antenna maintenance team during November 1964. Corrosion of the RG-255 cable at many spots along the line had resulted in nitrogen leaks and subsequent equipment difficulties.

WECO(Western Electric Co.) representatives from Stewart AFB, N.Y., conducted extensive testing on the Passive (ECM) Detection/Threshold Control Unit(OA-3751/FST) subsystem during the months of October and November. Results of the tests have not been received, nor has this facility been accepted.

Effective 22 December the Montauk AFS Time Division Data Link System was changed to Single Line Operation.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

Section II (FACILITIES) continued

Three magnetic starters for the air conditioning in the FPS-26 tower were installed.

In the power plant, the #2 Glycol pump was rebuilt and the #1 generator tie link broke, causing damage to the windings.

PERSONNEL MATTERS AFFECTING THE MISSION

NCO strength continues to be far below that needed to effectively maintain equipment and train airmen. Currently, there are 41 NCO's assigned, 72 authorized. With regard to NCO's, this squadron is 57% manned.

Section II. **COMMENTARY** *(Continued)*

PART II: This part should include a list of key personnel and information on: (1) community relations, (2) awards and decorations, (3) morale, (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Lt Colonel Ernest C. Skinner	14317A	Commander
Capt Edward K. Fuge	66934A	CEM Supervisor
Capt William Dawson	AO3102601	Operations Officer
1Lt Pasquale B. DeBenedictis	AO3128248	Personnel/Admin.
2Lt William M. McCabe	AO3138296	Supply Officer

AWARDS

The 773D was presented two High Power Electron Tube Life Improvement Awards from the 26th Air Division. One was received for achieving over 6,000 radiate hours on a QK681 amplitron used in the AN/FPS-35: the other for 18,000 radiate hours on a 35KM 50,000PA klystron used in the AN/FRT-49.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian)
Phillip A. Szymkowicz, 2Lt, USAF

SIGNATURE
Phillip A. Szymkowicz

APPROVED BY (Typed name and grade of commander)
Ernest C. Skinner, Lt Col, USAF

SIGNATURE
Ernest C. Skinner

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

31 MARCH 1965

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Sq(SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

ERNEST C. SKINNER, Lt Col, USAF

3. CHAIN OF COMMAND (*Superior Echelons*)

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Ernest C. Skinner, Lt Col; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Coulter; 26th Air Division(SAGE) Stewart AFB, N. Y., Major General Shores; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Strother; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (*Down to and including squadrons*)

NONE

5. MISSION (*Give authority and brief statement of primary mission*)

To provide the highest quality surveillance data to the New York Air Defense Sector and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 63).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	11	157	23	191
ASSIGNED	12	140	23	175

7. EQUIPMENT (*Give official nomen, status and quantity of mission-type equipment*)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(2)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-840A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc., (3) equipment performance, (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission, (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Radar Operations Section:

Apache Magic	21 January 1965
Desk Top VII	11 February 1965
Top Rung	18 February 1965
Double Time Kelo	2 March 1965
Mohegan Leader II	11 March 1965
Cree Jewel	16 March 1965
Apache Union	25 March 1965

There were no difficulties encountered during any of these missions.

During this reporting period 440 live intercepts were made and 438 simulated intercepts were conducted. 164 hours of academic classes were held.

Personnel Gains

Three officers, ten enlisted personnel.

Personnel Losses

1 Officer, Three enlisted personnel.

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. During the past six months NYADS-MQ had rated us consistently below PEGE scoring goals on our search detection. Investigation by unit personnel proved that our detection capability was excellent and that the error was in the Sector computer. Subsequent investigation by NYADS Data Quality Control confirmed that computer "masking" was the cause of low performance indications.

b. During the period of 8-22 March, a DLM team installed modification 31S1-2FST-2-744 in both channels of AN/FST-2A. This modification allows the AN/FST-2A to discriminate targets according to their run length.

c. An antenna team from Otis AFB performed emergency maintenance on the AS-726 antenna and transmission line. They replaced the breakaway section and made temporary repairs to relieve stress on the joints of the horizontal transmission line run.

d. The AN/FPS-26 radar experienced failures of two hydraulic pumps which were rebuilt by the Brewton Engineering Company. We submitted an emergency unsatisfactory report on this item. A reply was received from ROAMA indicating that their investigation revealed an unsatisfactory quality control check was being performed by the Brewton Company. The company was installing a wrong type oil seal which caused the failures. ROAMA indicated

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

Section II, EQUIPMENT PERFORMANCE

that action had been taken to preclude future occurrences.

FACILITIES

a. The project to decertify Montauk Government owned telephone system is proceeding rapidly through the program and design stages. The switchover to commercially leased and maintained inside/outside plant should be completed by 1 September 1965.

b. The excess AN/FPS-6 tower has been converted to a POL storage area. All flammable material is now stored in this building. A request for authorization to pick up the excess AB259A/FPS-6 and AB199A/FPS-3 towers as real property was submitted to NYOAC-CP in March 1965.

c. A NYADS Quality Control inspection was performed on 18-22 January 1965. Results of this inspection revealed that all C&E work centers were performing their duty in an excellent manner, particular praise was given to the GATR site personnel.

MAINTENANCE AND SUPPLY PROBLEMS

No vehicle assigned to the Security & Law Enforcement Section on a 24 hour basis for Sabotage Alert and other security purposes.

PERSONNEL MATTERS AFFECTING THE MISSION

NCO strength continues to be far below that needed to effectively maintain equipment and train airmen. Currently, there are 40 NCO's assigned, 82 authorized. With regard to NCO's, this squadron is 48% manned.

Section II. **COMMENTARY** *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations, (2) awards and decorations, (3) morale, (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Lt Colonel Ernest C. Skinner	14317A	Commander
Capt Edward K. Fuge	66934A	CEM Supervisor
Capt William H. Dawson	AO3102601	Operations Officer
1Lt Pasquale B. DeBenedictis	AO3128248	Personnel/Admin
1Lt William M. McCabe	AO3138296	Supply Officer

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
EDWARD R. DALE, 2Lt, USAF	Edward R. Dale 2d Lt
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
ERNEST C. SKINNER, Lt Col, USAF	Ernest C. Skinner

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

30 JUNE 1965

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Sq (SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

ERNEST C. SKINNER, Lt Col, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Ernest C. Skinner, Lt Col; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Coulter; 26th Air Division (SAGE) Stewart AFB, N. Y., Major General Shores; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Strother; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)*

To provide the highest quality surveillance data to the New York Air Defense Sector and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 63).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	11	157	23	191
ASSIGNED	11	150	23	184

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-840A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
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15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations Section during the period 1 April to 30 June 1965.

April 22, 1965	Snow Time
6 May 1965	Cree Opal
13 May 1965	Mohegan Leader iV
10 June 1965	Apachie Union III

There were no difficulties encountered during any of these missions.

During this reporting period 392 live intercepts were made and 382 simulated intercepts were conducted. 168 hours of academic classes were held.

Personnel Gains
Four enlisted personnel

Personnel Losses
Three officers, Five enlisted personnel.

Personnel Projected Losses
Two officers

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. During the past three months we were plagued with FPS-6 Height accuracy problems. Trouble was finally traced to antenna contour. Problem was corrected by changing the electrical/mechanical tilt of the antenna. This was deemed the easiest and least costly method of correction, otherwise the radome would have had to be dismantled and the antenna sail replaced.

b. During the past three months, we have experienced a high VSWR on both transmission lines of the AN/FRT-49. 26th Air Division has advised us that both transmission lines will be replaced by a new flexible helical type line. No firm date has been set for replacement.

c. On 22 June a CEMIRT team from 26th Air Division arrived on site to provide emergency assistance and install a new compressor for the Air Conditioning of the AN/FST-2.

d. We have been advised by ADC and FAA that we will no longer be a joint use site as of 1 January 1966. FAA will begin phase withdrawal commencing 1 January 1966.

e. The 3KM50000PA tube in Channel 1 of the AN/FRT-49 has logged over 25,000 operating hours. This is the longest life recorded by any unit in 26th Air Division. 26AD-K28 report indicated a division average life of only 3,961 hours for this type tube.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

FACILITIES

a. A Quality Control Inspection by NYOAC-MQ was conducted during 24-28 May 1965.

b. Extensive WECO testing of AN/FST-2, GKA-5 and Height Finders were conducted as to ascertain adequacy of inputs to BUIC II computer at Palermo

EXPERIMENTS, DEVELOPMENTS AND IDEAS

The Main Gate Guard House was deleted and the guard was posted at the entrance to Operations Section, as prescribed by AFM 207-1.

MAINTENANCE AND SUPPLY PROBLEMS

No vehicle assigned to the Security & Law Enforcement Section on a 24 hour basis for sabotage alert and other security purposes.

PERSONNEL MATTERS AFFECTING THE MISSION

The percentage of manned NCO positions is currently 52.5%, an increase of 4.5% over the quarter.

Section II. **COMMENTARY** (Continued)

PART B. This part should include a list of key personnel and information on: 1) community relations, 2) awards and decorations, 3) morale, 4) and other subjects the commander may wish to include.

KEY PERSONNEL

Lt Col Ernest C. Skinner	14317A	Commander
Capt Edward K. Fuge	66934A	CEM Supervisor
Capt William H. Dawson	AO3102601	Operations Officer
1Lt Pasquale B. DeBenedictis	AO3128248	Personnel/Admin
1Lt William M. McCabe	AO3138296	Supply Officer

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian) — SIGNATURE

EDWARD R. DALE, 2Lt, USAF — Edward R Dale

APPROVED BY (Typed name and grade of Commander) — SIGNATURE

ERNEST C. SKINNER, Lt Col, USAF — Ernest C Skinner

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

30 SEPTEMBER 1965

AIR DEFENSE COMMAND

ADC FORM MAY 58 102

P.C. 6310

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Sq(SAGE) Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

EDWARD K. FUGE, Captain, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773D Radar Squadron(SAGE) Montauk AFS, N. Y., Edward K. Fuge, Captain; New York Air Defense Sector, McGuire AFB, N. J., Brigadier General Coulter; 26th Air Division(SAGE) Stewart AFB, N. Y., Major General Austin; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Strother; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the highest quality surveillance data to theNew York Air Defense Sector and Boston Air Defense Direction Centers. To provide the New York Air Defense Sector Direction Center with the highest UHF voice and data link communications under Mode I operations. To provide same for the BOADS Direction Center under Mode II operations. To provide New York NCC with surveillance data under Mode III operations. Conduct and participate in all Mode III phases of air defense by maintaining a ground interceptor control station in support of the New York NORAD Control Center. (NYADSR 23-3, 10 June 63).

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
ASSIGNED	8	149	23	180
Authorized	11	172	23	206

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

[redacted]

Section II.	COMMENTARY

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations Section during the period 1 July 1965 to 30 September 1965.

Mohegan Echo	1 July 1965
Idol 15-65	6 July 1965
Creed Hunt I	13 July 1965
Apache Indian II	21-22 Sept 1965

There were no difficulties encountered during any of these missions.

Personnel Gains

Four enlisted personnel.

Personnel Losses

1 Officer
1 Airman

Personnel Projected Losses

Three officers

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. A GEEIA DLM team arrived on 15 September to perform an overhaul of the 100 HP motors on the AN/FPS-35 antenna drive system. The team also corrected a safety hazard caused by excessive oil leakage on the antenna pedestal.

b. A GEEIA DLM team spent 30 days working on the high VSWR problems associated with the AN/FRT-49 transmission lines. A temporary fix was made but the final solution is the pending installation of a flexible helical transmission line. The installation of this line is programmed but no definite data has been established.

c. Action has been initiated to secure an additional diesel for the GATR site. The three diesels currently in use do not supply enough power to allow all equipment to be on the line at the same time.

d. This unit received two high power electron tube awards from 26th Air Division. The first was for the QK 681 associated with the AN/FPS-35 which operated for 8,550 hours. The other was for the 35KM50000PA klystron used on the AN/GKA-5, which operated for over 25,000 hours. Both operating hour totals were the best achieved by any unit in the 26th Air Division.

e. Equipment performance as evaluated by the PRIME PEGE program at Sector Headquarters has been outstanding during this reporting period. We have constantly surpassed the program goals in all areas of operation and have received congratulatory communications from higher headquarters for our efforts.

2. FACILITIES

a. Our Government owned telephone system was decertified on 31 July 1965. A commercial leased dial system was installed which consists of a 701 system with a 608 switchboard.

FACILITIES(Continued)

b. WECO(Western Electric Co.) testing of our equipment inputs to the BUIC phase two computer continued. All test results were extremely satisfactory. No problems are anticipated in meeting our 1 October 1965 operational date. On this date we will lose our Mode III Ground Control Intercept Mission and will convert to a Long Range Radar Surveillance station.

EXPERIMENTS, DEVELOPMENTS AND IDEAS - None

MAINTENANCE AND SUPPLY PROBLEMS

No vehicle assigned to the S&LE Section on a 24 hour basis for Sabatage alert and other security purposes.

PERSONNEL MATTERS AFFECTING THE MISSION

Captain Edward K. Fuge, former Squadron C&E Officer, replaced Lt Colonel Ernest C. Skinner as Commander. Lt Col Skinner was reassigned to New York Air Defense Sector on 27 Sept 1965.

The percentage of manned NCO positions is currently 66%.

KEY PERSONNEL

Captain Edward K. Fuge	FR66934	Commander
1Lt Pasquale B. DeBenedictis	FV3128248	Personnel/Admin.

(If additional space is required, continue on blank sheets, size 8x10½, appropriately numbered, and attached securely hereto)

TYPED NAME AND GRADE OF COMMANDER	SIGNATURE
EDWARD K. FUGE, Captain, USAF	Edward K. Fuge

PAGE ___ OF ___ PAGES

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

31 DECEMBER 1965

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron, Montauk, N. Y.

2. NAME AND GRADE OF COMMANDER

EDWARD K. FUGE, Captain, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Edward K. Fuge, Captain; New York Air Defense Sector, McGuire AFB, N. J., Colonel Evans; 26th Air Division(SAGE) Stewart AFB, N. Y. Major General Austin; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Strother; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

None

5. MISSION *(Give authority and brief statement of primary mission)* To provide NYADS and BOADS direction centers and NY NORAD C. C. with the highest quality surveillance data, including height determination, flight size and IFF/SIF of friendly, unknown and hostile air traffic under Mode I, Mode II and Mode III within the capabilities of its ground environment. To provide the NYADS direction center with the highest quality UHF voice and data link communications under Mode I operations. To provide BOADS with the highest quality UHF voice and data link communications under Mode II operations. To provide NY NORAD CC (BUIC II) with highest quality UHF voice and data link communications under Mode III operations. To support and participate in all allocated operational requirements.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	166	23	194
ASSIGNED	3	144	23	170

7. EQUIPMENT *(Give official common nature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations Section during the period 1 Oct 65 - 31 Dec 65.

Desk Top VII Part IV	11 October
Apache Arrow I	21 October
Top Rung X	4 November
Desk Top VIII Part I	16 November
Cree Arrowl	18 November
Snow Time XV	2 December
Desk Top VIII Part IV	7 December
Desk Top VIII Part II	15 December
Mohegan Echo X	16 December
Mohegan Echo XI	23 December
26IG Inspection	6-9 December

There were no difficulties encountered during any of these missions.

Personnel Gains - None

Personnel Losses - Three

Personnel Gains Projected - One

Personnel Losses Projected - Four

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. On 26 October 1965 a DLM team from 2861 GEEIA Squadron overhauled the 100 hp motors for the AN/FPS-35 antenna. No problems encountered.

b. On 8 October 1965 and 18 October 1965, GEEIA performed a DLM survey on the AN/FRT-49. Trouble was found to be in the transmission line. A new flexible helual line is scheduled to be installed in the near future.

c. On 1 December a DLM team performed emergency overhaul of AN/FPS-35 rotary coupler.

d. On 2 December a pre DLM survey was conducted by GEEIA on AN/FPS-35 broadbanding problems. Action still pending.

FACILITIES

a. A Quality Control Inspection of all C&E facilities was conducted by NYADS on 1-5 November 19 65. All areas were found to be satisfactory.

b. An inspection of all Squadron facilities was conducted by the 26th IG team on 8 December 1965. All areas were found to be satisfactory with the exception of BCE.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

FACILITIES (Continued)

c. Installation of new air conditioning unit for AN/FST-2 hit a snag when the contractor did not have equipment to flush the units. An agreement has been reached whereby the contractor will utilize Air Force Equipment for this job.

EXPERIMENTS, DEVELOPMENTS AND IDEAS - Air Police augmentee personnel are being posted at the Main Gate entrance to the installation from 1800 hours to 2400 hours to deny exit from the base to personnel who have overindulged in alcoholic beverages.

MAINTENANCE AND SUPPLY PROBLEMS: No vehicle assigned this unit on a 24 hour basis for sabotage alert and other security purposes.

MAJOR PROBLEM - Cannot comply with AFM 207-1 in regard to sabotage alert procedures, i.e., no SAT vehicle.

PERSONNEL MATTERS AFFECTING THE MISSION - The percentage of manned NCO positions is currently 60%.

Section II. **COMMENTARY** *(Continued)*

PART II: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

CAPTAIN EDWARD K. FUGE	FR66934	Commander
CAPTAIN FREDRIC J. SCHEYD	FR75074	C&E Officer
1Lt CHARLES W. LEWIS	FR76015	Person/Admin

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
John F. Enley, MSgt, USA.	John F Enley
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
Edward K. Fuge, Captain, USAF	Edward K. Fuge

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON

for the period ending

31 MARCH 1966

ADC FORM FEB 64 102 PREVIOUS EDITION OF THIS FORM MAY BE USED. FC: 5300

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773 Radar Squadron, Montauk AFS NY

2. NAME AND GRADE OF COMMANDER

EDWARD K. FUGE, Captain, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Edward K. Fuge, Captain; New York Air Defense Sector, McGuire AFB, N. J., Colonel Evans; 26th Air Division(SAGE) Stewart AFB, NY, Major General Austin; Air Defense Command, Ent AFB, Colorado, Lt General Thatcher; Hq NORAD, Colorado Springs, General Strother; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

None

5. MISSION *(Give authority and brief statement of primary mission)* To provide NYADS and BOADS direction centers and NY NORAD CC, with the highest quality surveillance data, including height determination, flight size and IFF/SIF of friendly, unknown and hostile air traffic under Mode I, Mode II and Mode III within the capabilities of its ground environment. To provide the NYADS direction center with the highest quality UHF voice and data link communications under Mode I operations. To provide BOADS with the highest quality UHF voice and data link communications under Mode II operations. To provide NY NORAD CC(BUIC II) with highest quality UHF voice and data link communications under Mode III operations. To support and participate in all allocated operational requirements.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	4	165	23	192
ASSIGNED	4	178	23	206

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations Section during the period 1 Jan 66 to 31 Mar 66.

Mohegan Echo II	11 January
Mohegan Echo III	18 January
Apache Hunt I	19 January
Mohegan Echo IV	25 January
Mohegan Feather I	1 February
Mohegan Echo V	8 February
Mohegan Feather II	9 February
Mohegan Knife VI	16 February
Idle 5-66	17 February
Mohegan Feather	23 February
Apache Brave I	26 February
Mohegan Feather	8 March
Apache Brave II	10 March
Mohegan Echo IX	15 March
Mohegan Echo X	22 March
Desk Top VIII	26 March
SAGA 7-66	27 March

There were no difficulties encountered during any of these missions.

Personnel Gains - Two

Personnel Losses - Five

Personnel Gains Projected - None

Personnel Losses Projected - Two

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. During 3 month period installation of TCTO 31P6-2FPS35-656 has been in progress in AN/FPS-35. Numerous problems were encountered with the broad banding of the new tetrode stage. System #1 of the AN/FPS-35 is still not fully operational due to the deficiencies of this modification. GEEIA and Sperry Company engineers have been trying to solve these problems but little progress has been made as of 31 March 66.

b. On 26 Jan thru 3 Feb 66, a DLM team from Eastern GEEIA worked on the replacement of the rotary coupler for the AN/FPS-35. A huge crane was needed to hoist the coupler to the fifth floor of the radar tower. The rotary coupler was installed and aligned with no problems encountered.

c. On 3 Feb thru 16 Feb 66, a DLM team from Eastern GEEIA worked on the overhaul of the number 5 100 horsepower antenna drive motor for the AN/FPS-35. Work was completed on 16 February 66 and the motor placed in service without any difficulties being encountered.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

EQUIPMENT PERFORMANCE(continued)

d. On 17 Feb 66 extreme arcing was discovered in the flexible waveguide portion of the AN/FPS-35 feed horn. An Eastern GEEIA DLM team replaced the defective section on 19-20 Feb 66. Installation was hampered due to the extreme height of the feed horn from the ground. A special platform which extended out over the roof of the fifth floor was built in order for the DLM team to gain access to the defective section.

FACILITIES

a. Installation of semi-flexible transmission lines for the AN/FRT-49, Scheme Number 1832A5B-C1-NY32-DY-2A23C-R-1175-26-E-E26 was completed by a GEEIA team on 7 March 66. The new transmission line provides an operating system with a VSWR of 1: 1.1 which is much superior to the old type lines. The AFTO Form 88 was signed on 7 March 66.

b. Scheme 1965A2B-C1-NY17-2M2A21C-K6511-25 for installation of the KW-7 equipment was completed on 15 Mar 66. This facility is still inoperable due to the requirment for special line filters. These filters are still on order.

SUPPLY AND MAINTENANCE

No vehicle assigned to the Security & Law Enforcement Section on a 24 hour basis for sabotage alert and other security purposes.

MAJOR PROBLEMS

Cannot comply with AFM 207-1 in regard to sabotage alert procedures without a SAT vehicle.

Section II. **COMMENTARY** *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Captain Edward K. Fuge	Commander
Captain Fredric J. Scheyd	C&E Officer
1Lt Charles W. Lewis	Per/Admin.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)* John F. Enley, SMSGT, USAF	SIGNATURE John F Enley
APPROVED BY *(Typed name and grade of Commander)* Edward K. Fuge, Captain, USAF	SIGNATURE Edward K Fuge

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

30 JUNE 1966

Section I.	REQUIRED DATA
1. UNIT AND LOCATION	2. NAME AND GRADE OF COMMANDER
773D Radar Squadron (SAGE)	EDWARD K. FUGE, Capt, USAF

3. CHAIN OF COMMAND (Superior to Unit)

773 Radar Squadron (SAGE) Montauk AFS, NY, Edward K. Fuge, Captain; 21 Air Division, McGuire AFB, NJ, Colonel Evans; 1st Air Force, Stewart AFB, NY, Maj. General Austin; Air Defense Command, Ent AFB, Colorado, Lt Gen Thatcher; Hq NORAD, Colorado Springs, General Strother; Hq USAF, Washington DC, General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

None.

5. MISSION (Give authority and brief statement of primary mission) To provide 21 Air Div and BOADS direction centers and NY NORAD CC, with the highest quality surveillance data including height determination, flight size and IFF/SIF of friendly, unknown and hostile air traffic under Mode I, Mode II and Mode III within the capabilities of its ground environment. To provide 21 AD Direction Center with the highest quality UHF voice and data link communications under Mode I operations. To provide BOADS with the highest quality UHF voice and data link communications under Mode II operations. To provide NY NORAD CC(BUIC II) with highest quality UHF voice and data link communications under Mode III operations. To support and participate in all allocated operational requirements.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	4	165	28	197
ASSIGNED	4	188	28	220

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. An/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

[redacted]

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations Section during the period 1 April to 30 June 1966:

Cree Hunt	7 April
Mohegan Feather	8 April
Mohegan Echo XII	12 April
Mohegan Feather X	13 April
Mute XVIII(NORAD ORE)	21 April
Mute XVIII(NORAD ORE)	22 April
IDOL 10-66 52FW TAC EVAL	3 May
IDOL 10-66 52FW TAC EVAL	4 May
IDOL 10-66 52FW TAC EVAL	5 May
Mohegan Feather	12 May
Cree Arrow II	19 May
Mohegan Feather	26 May
Cree Hunt	7 June
Cree Hunt II	8 June
Mohegan Feather	14 June
Apache Brave III	15 June
Apache Brave III	16 June
Mohegan Echo XIII	29 June

There were no difficulties encountered during any of these missions.

Personnel Gains - None

Personnel Losses - Five

Personnel Gains Projected - Four

Personnel Losses Projected - Eight

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. A pre-Iran inspection was performed by Det 1, 2861st GEEIA squadron, Griffis AFB, N. Y. on types of equipment listed below tih completion dates as indicated:

EQUIPMENT	DATE PRE-IRAN completed
AN/FPS-6	18 April 66
AN/GSC 7 (ALRI)	7 April 66
AN/GKA-5 and AN/FRT-49	14 April 66
AN/FST-2	22 April 66
AN/FPS-35	20 April 66
AN/FPS-26	4 May 66

b. TCTO 31P6-2FPS-35 - 656 which pertained to broadbanding new tetrode stage in System #1 of search radar was completed by GEEIA and Sperry

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

EQUIPMENT PERFORMANCE (continued)

engineers on 22 April 66. Same TCTO on Channel #2 of AN/FPS-35 was completed on 26 May 1966.

c. TCTO 31P6-2FPS-14-513 which provides building heating systems sensing circuit was installed by GEEIA team on 13 April 1966.

d. TCTO 31P6-2FPS-14 526 for prevention of oil leakage at Gap Filler radars on antenna systems was completed by GEEIA team on 13 April 1966.

FACILITIES

Installation of rigid radome for the AN/FPS-14 Gap Filler radar, scheme number 41-C1-NY17-12A11A4-X-1138-2018AO-B, was completed by Det 1, 2861st GEEIA Sq, Griffis AFB, N. Y. on 4 May 66.

SUPPLY AND MAINTENANCE

No vehicle assigned to the Security & Law Enforcement Section on a 24 hour basis for sabotage alert and other security purposes.

MAJOR PROBLEMS Cannot comply with AFM 207-1 in regard to sabotage alert procedures without a SAT vehicle.

[redacted]

Section II.	COMMENTARY *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Captain Edward K. Fuge	Commander
Captain Fredric J. Scheyd	C&E Officer
1Lt Charles W. Lewis	Per/Admin

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
Dale L. Wynn, MSgt, USAF	Dale L Wynn
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
Edward K. Fuge, Captain, USAF	Edward K Fuge

HISTORICAL RECORD

of the

7730 RADAR SQUADRON(ACE)

for the period ending

30 SEPTEMBER 1966

ADC FORM JUL 66 102 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron (SAGE)

2. NAME AND GRADE OF COMMANDER

ROBERT W. ZARN, Major, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773 Radar Squadron (SAGE) Montauk AFS, NY, Robert W. Zarn, Major; 21 Air Division, McGuire AFB, NJ, Colonel Evans; 1st Air Force, Stewart AFB, NY, Maj. General Austin; Air Defense Command, Ent AFB, Colorado, Lt Gen. Thatcher; Hq NORAD, Colorado Springs, General Strother; Hq USAF, Washington, DC, General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

None

5. MISSION *(Give authority and brief statement of primary mission)* To provide 21 Air Div and BOADS direction centers and NY NORAD CC, with the highest quality surveillance data including height determination, flight size and IFF/SIF of friendly, unknown and hostile air traffic under Mode II, Mode II and Mode III within the capabilities of its ground environment. To provide 21 AD Direction Center with the highest quality UHF voice and data link communications under Mode I operations. To provide BOADS with the highest quality UHF voice and data link communications under Mode II operations. To provide NY NORAD CC(PUIC II) with highest quality UHF VOICE and data link communications under Mode III operations. To support and participate in all ~~allocated operational requirements.~~

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	4	165	28	197
ASSIGNED	5	188	28	221

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-94QA/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/UPA-35(3)

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Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training; (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773d Operations during the period 1 Jul 66 to 30 Sep 66:

Mohegan Feather	12 Jul
Mohegan Feather	19 Jul
Mohegan Echo	26 Jul
Top Rung XIII	4 Aug
Top Rung XIII	5 Aug
Mohegan Feather	16 Aug
Mohegan Echo	23 Aug
Cherokee Jewel	26 Aug
Desk Top VIII	30 Aug
Mohegan Feather XVIII	7 Sep
Snow Time XVIII	8 Sep
Snow Time XVIII	9 Sep
Mohegan Echo XVI	13 Sep
Mohegan Feather XIX	20 Sep
Mandan Hunt II	27 Sep
Mandan Hunt II	28 Sep

There were no difficulities encountered during any of these missions.

Personnel Gains - Two

Personnel Losses - Eight

Personnel Gains Projected - Four

Personnel Losses Projected - Two

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. IRAN was completed on AN/FPS 14, AN/FST 1, and AN/FSW 1 on 29 Sep 66 by a DLM team from Det 1, 2861st GEEIA Squadron, Griffis AFB, New York with exception of rehabilitation of AB/421 (Antenna Tower).

b. Azimuth drive assembly was replaced on AN/FPS 6 by Emergency Assistance Team from Rome AFB, New York, with completion date of 30 Oct 1966.

c. Unitec Corporation accomplished reconditioning of air supported radomes, types CW 208 and CW 566 during period 9 thru 12 Aug 1966.

d. Iran was completed on AN/FST-2a on 2 Sep 66 by a DLM Team from Det 1, 2861st Geeia Sq, Griffis AFB, New York with exception of replacing motor generator (PU-367) for channel "B".

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

SUPPLY AND MAINTENANCE

No vehicle assigned to the Security & Law Enforcement Section on a 24 hour basis for sabotage alert and other security purposes.

MAJOR PROBLEMS

Cannot comply with AFM 207-1 in regard to sabotage alert procedures without a SAT vehicle.

Section II. **COMMENTARY** *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Major Robert W. Zarn	Commander
Captain Edward K. Fuge	CBE Officer
Captain Fredric J. Scheyd	C&E Officer
1Lt Charles W. Lewis	Per/Admin

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
[redacted] USAF	[signature]
APPROVED BY *(Typed name and title of Commander)*	SIGNATURE
Robert W. Zarn, Major, USAF	[signature]

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

30 DECEMBER 1966

6-[illegible] 17-72

FM 102 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

Section I.	REQUIRED DATA
1. UNIT AND LOCATION 773D Radar Squadron (SAGE)	2. NAME AND GRADE OF COMMANDER ROBERT W. ZARN, Major, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773D Radar Squadron(SAGE) Montauk AFS, N. Y., Major Robert W. Zarn, Commander; 21st Air Division, McGuire AFB, N. J. Colonel Albert E. Evans, Jr., Commander; 1st Air Force, STEWART AFB, N. Y., Major General Jensen, Commander; Air Defense Command, Ent AFB, Colorado, Lt Gen Thatcher, Commander; Hq NORAD, Colorado Springs, General Strother, Commander; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)* To provide 21 Air Div and BOADS Direction Centers and NY NORAD CC, with the highest quality surveillance data including height determination, flight size and IFF/SIF of friendly, unknown and hostile air traffic under Mode II, Mode II and Mode III within the capabilities of its ground environment. To provide 21 AD Direction Center with the highest quality UHF voice and data link communications under Mode I operations. To provide BOADS with the highest quality UHF voice and data link communications under Mode II operations. To provide NY NORAD CC(BUIC II) with highest quality UHF voice and data link communications under Mode III operations. To support and participate in all allocated operational requirements.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	158	33	196
ASSIGNED	4	174	33	211

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-26
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/IPA-35(3)

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission, (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations during the period 1 Oct 66 to 31 December 66:

Mohegan Knife XVII	7 October
Mohegan Feather	11 October
Mohegan Knife XVIII	14 October
Desk Top VIII	17 October
Mohegan Feather XXI	25 October
Big Blast Bravo/Apache Brave IV	27 October
Mohegan Echo XVIII	8 November
Mohegan Feather XXII	10 November
Apache Hunt II	21 November
Mohegan Feather XXIII	29 November
Apache Brave V	3 December
Mohegan Feather	8 December
Cherokee Dance	13 December

There were no difficulties encountered during any of these missions.

Personnel Gains: Seven

Personnel Losses: Three

Personnel Gains Projected: Two

Personnel Losses Projected: Two

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. FPS-35 Antenna Main Bearing. On 14 Oct 66, a loud banging noise was noted coming from behind the bull gear in the antenna. This indicated possible failure of mainantenna bearing. Emergency maintenance was requested. Team arrived 19 October with necessary tools. Bearing change completed on 1 Dec 66.

b. Radome CW208C for AN/FPS-6. Emergency depot team repaired hole in our air supported radome on 23 October 66.

SUPPLY AND MAINTENANCE: No vehicle assigned to the S&LE Section on a 24 hour basis for sabotage alert and other security purposes.

MAJOR PROBLEMS: Cannot comply with AFM 207-1 in regard to sabotage alert procedures without a SAT vehicle.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

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Section II. **COMMENTARY** *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations, (3) morale, (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Major Robert W. Zarn	Commander
Captain Fredric J. Scheyd	C&E Officer
1Lt Charles W. Lewis	Per/Admin
1 Lt David S. Bethune	Supply Officer

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
Douglas R. Cain, TSgt, USAF	Douglas R. Cain
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
Robert W. Zarn, Major, USAF	Robert W. Zarn

HISTORICAL RECORD

of the

773D RADAR SQUADRON

for the period ending

31 MARCH 1967

K-40643-54

FORM ADC 102 JUL 66 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773D Radar Squadron(SAGE)

2. NAME AND GRADE OF COMMANDER

ROBERT W. ZARN, Major, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773D Radar Squadron(SAGE) Montauk AFS, N. Y., Major Robert W. Zarn, Commander; 21st Air Division, McGuire AFB, N. J., Colonel Albert E. Evans, Jr., Commander; 1st Air Force, Stewart AFB, N. Y., Major General Jensen, Commander; Air Defense Command, Ent AFB, Colorado, Lt Gen Thatcher, Commander; Hq NORAD, Colorado Springs, General Strother, Commander; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)* To provide 21 Air Div and BOADS Direction Centers and NY NORAD CC, with the highest quality surveillance data including height determination, flight size and IFF/SIF of friendly, unknown and hostile air traffic under Mode II, Mode II and Mode III within the capabilities of its ground environment. To provide 21 AD Direction Center with the highest quality UHF voice and data link communications under Mode I operations. To provide BOADS with the highest quality UHF voice and data link communications under Mode II operations. To provide NY NORAD CC(BUIC II) with highest quality UHF voice and data link communications under Mode III operations. To support and participate in all allocated operational requirements.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	154	33	192
ASSIGNED	4	177	33	214

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-6
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/IPA-35(3)

If necessary to facilitate typing, separate by tearing along fold and reassemble securely by stapling in upper left-hand corner.

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training; (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations during the period 1 Jan 67 to 31 March 1967:

Mohegan Knife	6 Jan 1967
Mohegan Echo 1-1	10 Jan 1967
Desk Top IX	11 Jan 1967
Mohegan Knife 1-3	26 Jan 1967
Mohegan Echo 2-1	7 Feb 1967
Top Rung XV	10 Feb 1967
Mohegan Echo 2-2	28 Feb 1967
Mohegan Knife 3-2	5 Mar 1967
Apache Arrow I	9 Mar 1967
Hopi Hunt I	29 Mar 1967
Saga 7-67	30 Mar 1967

There were no difficulties encountered during any of these missions.

Personnel Gains: Five

Personnel Losses: Three

Personnel Gains Projected: None

Personnel Losses Projected: One

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

a. TCTO 31P6-2FPS-35-547 was completed on 27 Jan 67 by a GEEIA team and site personnel. This modification replaced the existing 100 HP antenna drive motors with new sealed motors requiring less maintenance and giving more reliability.

b. On 3 March 1967, personnel from the 2861st GEEIA Squadron completed an electronic IRAN on the GRC-27, GKA-5 and FRT-49 at the Ground Air Transmitter Receiver Site.

b. An electronic IRAN on System I of the FPS-35 Search Radar and was completed on 28 March 1967 by personnel from the 2861st GEEIA Squadron and Site personnel.

SUPPLY AND MAINTENANCE: No vehicle assigned to the S&LE Section on a 24 hour basis for sabotage alert and other security purposes.

MAJOR PROBLEM AREAS: None

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

Section II. **COMMENTARY** *(Continued)*

PART II: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale, (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Major Robert W. Zarn	Commander
Captain Fredric J. Scheyd	C&E Officer
Captain Charles W. Lewis	Personnel/Admin.
1Lt David S. Bethune	Supply Officer

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
Douglas R. Cain, TSgt, USAF	Douglas R Cain
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
Robert W. Zarn, Major, USAF	Robert W Zarn

HISTORICAL RECORD

of the

773D RADAR SQUADRON

for the period ending

30 JUNE 1967

ADC FORM JUL 66 102 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

Section I. REQUIRED DATA

1. UNIT AND LOCATION	2. NAME AND GRADE OF COMMANDER
773 Radar Squadron (SAGE)	ROBERT W. ZARN, Major, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773D Radar Squadron (SAGE) Montauk AFS, N. Y., Major Robert W. Zarn, Commander; 21st Air Division, McGuire AFB, N. J., Colonel Albert E. Evans, Jr., Commander; 1st Air Force, Stewart AFB, N. Y., Major General Jensen, Commander; Air Defense Command, Ent AFB, Colorado, Lt Gen Thatcher, Commander; Hq NORAD, Colorado Springs, General Strother, Commander; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)*

To provide the AirDefense Direction Centers of the 21st and 35th Air Divisions with the highest quality surveillance data, including height determination, flight size and Identify Friend from Friend/Selective Identification Feature(IFF/SIF0 of air traffic under Mode I and Mode II operations within the capabilities of its ground environment. To provide 21st Air Div Direction Center with the highest quality UHF voice and data link communications under Mode I Operations. Provide 21st NORAD Control Center with highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	148	33	186
ASSIGNED	4	174	33	211

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-6
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/IPA-35(3)

If necessary to facilitate typing, separate by tearing along fo... id reassemble securely by stapling in upper left-hand corner.

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training; (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations during the period 1 April to 30 June 1967:

Desk Top IX Part II	19 Apr 1967
Apache Brave VI	27 Apr 67
Apache Brave VII	15 May 67
Mohegan Echo	17 May 67
Cree Hunt	23 May 67
Mohegan Echo 6-1	27 May 67

There were no difficulties encountered during any of these missions.

Personnel Gains: Two

Personnel Losses: Two

Personnel Gains Projected: Two

Personnel Losses Projected: Four

Staff Visits: Hq 21 Air Division(Electronic Warfare) 6-7 April 1967.
20-21 May 1967.

Hq 21 Air Division(Academic Training) 26-27 May 1967

CHANGES IN PRIMARY EQUIPMENT - None

EQUIPMENT PERFORMANCE

On 27 April 1967, a team from the 2861st GEEIA Sq worked on the AN/FPS-6 antenna to determine the cause of the high failure rate of the elevation rotary couplers. The antenna yoke arms were dented and out of alignment. These were replaced by the team and should eliminate the high failure rate of rotary couplers.

On 2 June 1967, an IRAN was completed on the AN/FPS-6 by the 2861st GEEIA Sq.

SUPPLY AND MAINTENANCE: No vehicle assigned to the S&LE section on a 24 hour basis for sabotage alert and other security purposes.

MAJOR PROBLEM AREAS: None.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

Section II. **COMMENTARY** *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Major Robert W. Zarn	Commander
1Lt Michael J. Frey	C&E Officer
2Lt James S. Sharpe	Personnel/Admin
1Lt David S. Bethune	Supply Officer

AWARDS:

Two commendations were awarded to personnel in this organization, one to SSGT Wolfgang Petscheitis and one to SSGT Gordon M. Slocum.

Two incentive awards were given to civilian personnel. Mrs. Dorothy McCann received a Quality Step Increase and Mr. Edward Kenney was given a Sustained Superior Performance.

COMMUNITY RELATIONS: The Squadron has participated in several parades in the local communities, has donated blood to the local blood bank and have aided the communities whenever help was needed, in any emergency.

MORALE: The morale of the Squadron appears to be very good. More squadron functions are being held, such as picnics, etc., and the percentage of participation has been high.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
Douglas R. Cain, TSgt, USAF	Douglas R. Cain
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
Robert W. Zarn, Major, USAF	Robert W Zarn

HISTORICAL RECORD

of the

773D RADAR SQUADRON

for the period ending

30 SEPTEMBER 1967

ADC FORM JUL 66 102 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

1 0 7 7

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION

773 Radar Squadron (SAGE)

2. NAME AND GRADE OF COMMANDER

ROBERT W. ZARN, Major, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773 Radar Squadron (SAGE) Montauk AFS, N. Y., Robert W. Zarn, Major, Commander; 21st Air Division, McGuire AFB, N. J., Colonel Albert E. Evans, Jr., Commander; 1st Air Force, Stewart AFB, N. Y., Major General Joseph L. Dickman, Commander; Hq NORAD, Colorado Springs, General Strother, Commander; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)*

To provide the Air Defense Direction Centers of 21st and 35th Air Divisions with the highest quality surveillance data, including height determination, flight size and Identify Friend from Friend/Selective Identification Feature (IFF/SIFO of air traffic under Mode I and Mode II operations within the capabilities of its ground environment. To provide 21st Air Division Direction Center with the highest quality UHF voice and data link communications under Mode I operations. Provide 21st NORAD Control Center with highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	148	34	187
ASSIGNED	4	174	34	212

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-6
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/IPA-35(3)

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training; (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations during the period 30 June 1967 to 30 September 1967:

Desk Top IX	12 July 1967
Mohegan Echo 7-1	25 July 1967
Apache Brave VII	2-3 August 1967
Mohegan Echo	28 August 1967
Factory Echo	12 September 1967
Apache Brave IX	28 September 1967

There were no difficulties encountered during any of these missions.

Personnel Gains: Two

Personnel Losses: Four

Personnel Gains Projected: None

Personnel Losses Projected: None

Staff Visits: Hq 21 Air Div(Electronic Warfare) 6-7 July 1967

CHANGES IN PRIMARY EQUIPMENT: None

EQUIPMENT PERFORMANCE:

1. On 17 July 1967, representatives from GEEIA, 1st Air Force and the General Electric Company arrived on site to investigate a height accuracy problem with the FPS-6 radar. It was determined at this time that we needed a new antenna reflector. On 8 August the new antenna was installed by members of the 2861st GEEIA Squadron.

2. On 8 August 1967, the caulking and painting of the CW413 Rigid Radome on the FPS-14 radar was completed by the Unitec Corporation.

3. During the month of September a team from 1st Air Force arrived to assist personnel in the power plant in solving problems which have arisen.

SUPPLY AND MAINTENANCE: No vehicle assigned to the S&LE section on a 24 hour basis for sabotage alert and other security purposes.

MAJOR PROBLEM AREAS - None

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

If necessary to facilitate typing, separate by tearing along fo... id reassemble securely by stapling in upper left-hand corner.

Section II. **COMMENTARY** *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Major Robert W. Zarn	Commander
1Lt Michael J. Frey	C&E Officer
2Lt James S. Sharpe	Personnel/Admin
1Lt David S. Bethune	Supply Officer

AWARDS:

Commendation awards were awarded to personnel in this organization, one to SSgt Russell E. Hill and SSgt Edward Walsh.

COMMUNITY RELATIONS: The Squadron has participated in several youth projects for underprivileged children in the community, consisting of tours, picnics, etc.

MORALE: The morale at this squadron appears to be very good.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
Douglas R. Cain, TSgt, USAF	Douglas R Cain
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
Robert W. Zarn, Major, USAF	Robert W Zarn

HISTORICAL RECORD

of the

773RADAR SQUADRON

for the period ending

31 December 1967

ADC FORM 102 JUL 66 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

[redacted]

Section I. **REQUIRED DATA**

1. UNIT AND LOCATION	2. NAME AND GRADE OF COMMANDER
773 Radar Squadron (SAGE)	ROBERT W. ZARN, Major, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773 Radar Squadron (SAGE) Montauk AFS, N. Y., Robert W. Zarn, Major, Commander; 35th Air Division, Hancock Field, N. Y., Brig Gen Belser, Commander; 1st Air Force, Stewart AFB, N. Y., Major General Joseph L. Dickman, Commander; Hq NORAD, Colorado Springs, General Strother, Commander; Hq USAF, Washington, D. C., General McConnell; Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

None

5. MISSION *(Give authority and brief statement of primary mission)*

To provide the Air Defense Direction Centers at 35th Air Division with the highest quality surveillance data, including height determination, flight size and identify friend from friend/selective identification feature(IFF/SIFO of air traffic under Mode I operations within the capabilities of its ground environment. To provide 35th Air Division Direction Center with the highest quality UHF voice and data link communications under Mode I Operations. Provide 35th NORAD Control Center with the highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	144	36	185
ASSIGNED	5	153	36	194

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-6
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/IPA-35(3)

[redacted]

If necessary to facilitate typing, separate by tearing along fo... nd reassemble securely by stapling in upper left-hand corner.

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subject to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations during the period 1 October to 31 December 1967:

High Heels 67	24 Oct thru 29 Oct 67
Factory Echo 11-1	31 Oct 67
Factory Echo 11-1	14 Nov 67
Apache Hunt I	21 Nov 67
Fertile Echo	29 Nov 67
Apache Brave X	7 Dec thru 9 Dec 67
Fertile Echo	13 Dec 67
Fertile Echo	20 Dec 67

There were no difficulties encountered during any of these missions.

Personnel Gains: None

Personnel Losses: Two

Personnel Gains Projected: Two

Personnel Losses Projected: One

Staff Visits: In December 1967, Major Hamlin and 2 NCO's from 35th Air Division (35MGE) conducted a quality control staff visit.

CHANGES IN PRIMARY EQUIPMENT: None

EQUIPMENT PERFORMANCE: On 17 November 1967 the CW-208 Radome housing the FPS-6 radar was painted by members of the Unitec Corporation.

On 5 December 1967 an electronic and mechanical IRAN was completed on the FPS-26 radar by the 2861st GEEIA Squadron.

MAJOR PROBLEM AREAS: None

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

[redacted]

Section II. **COMMENTARY** *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Major Robert W. Zarn	Commander
1Lt Michael J. Frey	C&E Officer
2Lt James S. Sharpe	Personnel/Admin
2Lt Donald R. Keatley	Communications
2Lt William H. McCarthy	Supply Officer

AWARDS:

Commendation awards were awarded to personnel in this organization, one to SSgt Kenneth R. Browning, SSgt Elwell.

MORALE: The morale at this squadron appears to be good.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
Donald R. Keatley, 2Lt, USAF	Donald R. Keatley
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
Robert W. Zarn, Major, USAF	Robert W. Zarn

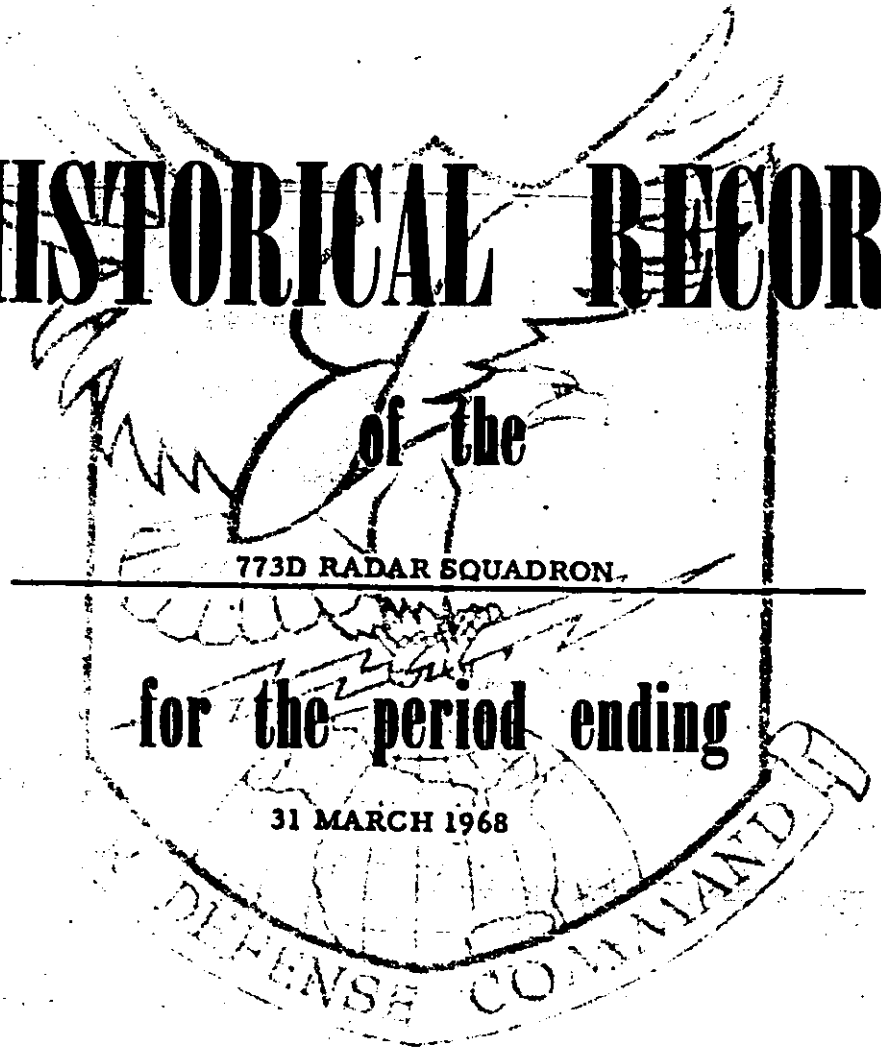
HISTORICAL RECORD

of the

773D RADAR SQUADRON

for the period ending

31 MARCH 1968



ADC FORM 102 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 68 EDITION IS OBSOLETE.

Section I.	REQUIRED DATA
1. UNIT AND LOCATION 773 Radar Squadron (SAGE)	2. NAME AND GRADE OF COMMANDER ROBERT W. ZARN, Major, USAF

3. CHAIN OF COMMAND (Superior Echelons)

773 Radar Squadron(SAGE), Montauk AFS, N.Y., Robert W. Zarn, Major, Commander; 35th Air Division, Hancock Field, N.Y., Brigadier General Joseph H. Belser, Commander; 1st Air Force, Stewart AFB, N.Y., Major General Joseph L. Dickman, Commander; Hq NORAD, Colorado Springs, General Strother, Commander; Hq USAF, Washington, D.C., General McConnell, Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (Down to and including squadrons)

NONE

5. MISSION (Give authority and brief statement of primary mission)

To provide the Air Defense Direction Center at 35th Air Division with the highest quality surveillance data, including height determination, flight size and Identify Friend from Friend/Selective Identification Feature(IFF/SIFO of air traffic under Mode I and operations within the capabilities of its ground environment. To provide 35th Air Division Direction Center with the highest quality UHF voice and data link communications under Mode I operations. Provide 35th NORAD Control Center with highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	152	39	196
ASSIGNED	5	134	35	174

7. EQUIPMENT (Give official nomenclature and quantity of mission-type equipment)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-6
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/IPA-35(3)

If necessary to facilitate typing, separate by tearing along fo[illegible] nd reassemble securely by stapling in upper left-hand corner.

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Operations Section during the period 1 January 1968 through 31 March 1968:

Snowtime 68-3-E	12 January 1968
Fairplay 68	23 January 1968
Fertile Echo	6 Feb 1968
Snowtime 68-4-E	15 February 1968
Fertile Echo	20 February 1968
Top Rung 68-2	7 Mar through 8 March 1968
Apache Brave I	8 March through 9 March 1968
Feline Hunt I	27 March through 28 March 1968

There were no difficulties encountered during any of these missions

Personnel Gains: Two

Personnel Losses: Two

Personnel Gains Projected: None

Personnel Losses Projected: None

Due to personnel losses and increased workload, manning assistance has been submitted to 35th Air Division CBPO.

STAFF VISITS: A staff visit was conducted by 35th Air Division on Operations and Electronic Warfare Personnel on 12 March 1968.

On 29 February 1968, GEEIA repaired an air leak in the GPA-50 radome

On 25 through 28 March, 35th Air Division(35MGE) conducted a staff visit on C&E Complex.

CHANGES IN PRIMARY EQUIPMENT: None

EQUIPMENT PERFORMANCE:

(1) On 16 Feb 1968, GEEIA installed the 31P6-2FPS-35-661 Modification (Spray Mist Shield for gear lube system).

(2) On 24 Feb 1968, Sperry assisted in installation of 31P6-2FPS-35-517 modification on OA1919A-FPS-35 and Receiver and the 31P6-2FPS-35-657 modification(Side Lobe Blanking)

(3) On 22 Feb 1968, Sperry Assisted in Installing the 31P6-2FPS-35-673 modification(Test Points in OA1919 Power Supplies)

(4) On 20 March 1968, GEEIA replaced a flexible waveguide section on FPS-35 antenna. This wave guide section has had a high failure rate.

(5) On 26 Jan 1968, GEEIA personnel performed IRAn on ALRI fixed and Steerable antenna.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

Section II. **COMMENTARY** *(Continued)*

PART II: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Major Robert W. Zarn	Commander
Capt Michael J. Frey	C&E Officer
2Lt Donald R. Keatley	Comm Officer
2Lt James S. Sharpe	Personnel/Admin
2Lt William H. McCarthy	Supply Officer

AWARDS: A commendation award was awarded to SSgt Fredericks, at the Squadron Dining-In.

COMMUNITY RELATIONS: Tours of the installation have been given to various groups such as Boy Scouts, etc.

MORALE: The morale at this squadron appears to be very good.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
Donald R. Keatley, 2DLT, USAF	Donald R. Keatley
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
Robert W. Zarn, Major, USAF	Robert W. Zarn

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

30 JUNE 1968

ADC FORM JUL 66 102 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

[redacted]

Section I.	REQUIRED DATA
1. UNIT AND LOCATION: 773 Radar Squadron (SAGE) Montauk NY	2. NAME AND GRADE OF COMMANDER: ROBERT W ZARN, Major, USAF

3. CHAIN OF COMMAND (*Superior Echelons*)

773 Radar Squadron(SAGE), Montauk AFS, N.Y., Robert W. Zarn, Major, Commander; 35th Air Division, Hancock Field, N.Y., Brigadier General Isaacson, Commander; 1st Air Force, Stewart AFB, New York, Major General Dickman, Commander; Hq NORAD, Colorado Springs, General Strother, Commander; Hq USAF, Washington, D.C., General McConnell, Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (*Down to and including squadrons*)

NONE

5. MISSION (*Give authority and brief statement of primary mission*)

To provide the Air Defense Direction Center at 35th Air Division with the highest quality surveillance data, including height determination, flight size and identity Friend from Friend/Selective Identification Feature(IFF/SIFO of air traffic under Mode I and operations within the capabilities of its ground environment. To provide 35th Air Division Direction Center with the highest quality UHF voice and data link communications under Mode I operations. Provide 35th NORAD Control Center with the highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	151	38	194
ASSIGNED	5	148	37	190

7. EQUIPMENT (*Give official nomenclature and quantity of mission-type equipment*)

1. AN/FPS-6
2. AN/FPS-14
3. AN/UPX-6(1)
4. AN/FST-1
5. AN/FST-2
6. AN/FSW-1
7. OA-940A/GPX-7A
8. AN/FPS-35
9. AN/FRT-49
10. AN/GKA-5
11. AN/FPS-6
12. TD-285 Multiplex Unit
13. AN/GSC-7
14. AN/GRC-27(2)
15. AN/GRT-3(26)
16. AN/GRR-7(26)
17. AN/FTA-13
18. OA-99(8)
19. AN/UPX-14
20. AN/IPA-35(3)

If necessary to facilitate typing, separate by tearing along fo[illegible] ld reassemble securely by stapling in upper left-hand corner.

Section II. **COMMENTARY**

(See ADC Supplement I to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Radar Squadron Operations Section during the period 1 April 1968 through 30 June 1968:

Apache Indian I	3 April 1968
Apache Indian II	14 April 1968
Fertile Echo 8	16 April 1968
Fair Play 2-68	23 April 1968
Fertile Echo 9	4 May 1968
Apache Brave II	7 May 1968
Fertile Echo XIII	15 May 1968
Fertile Echo 14	21 May 1968
Fancy Hunt I	22 May 1968
Fertile Echo 10	29 May 1968
Swordfish	4 June 1968
Fertile Echo	5 June 1968
Fertile Echo	11 June 1968
Swordfish	14 June 1968
Amalgam Mute	18 June-21 June 68
Swordfish	25 June 1968

There were no difficulties encountered during any of these missions.

Personnel Gains: Two

Personnel Losses: One

Personnel Gains Projected: One

Personnel Losses Projected: None.

Due to personnel losses and increased workload, manning assistance has been submitted to 35th Air Division CBPO.

STAFF VISITS:

In May 1968, an IROS Task Force Assistance Visit was made to this unit for the FPS-35 tower.

In April 1968, a staff visit was made by Col Butterfield and Col Anderson, 1st AF, in the areas of Materiel Control and Supply.

In May 1968, a staff visit was conducted by the 1st AF Chaplain's office.

In June 1968, a staff visit was conducted by the 1st AF Surgeon's office.

In June 1968, a staff visit was conducted by the AFSUS office and Hq 1st AF, pertaining to the Commissary.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

SECTION II (continued)

CHANGES IN PRIMARY EQUIPMENT: The Gap Filler at Manorville was phased out as of 1 April 1968.

EQUIPMENT PERFORMANCE

1. A new Maintenance Control Console was installed on the second floor of the FPS-35 tower.

2. An engineering fix was installed on the flexible waveguide section of the FPS-35 waveguide system. This fix was recommended by a SMAMA engineer.

3. An extensive power distribution system analysis was conducted by First Air Force Civil Engineering team. Three new transformers were purchased for our substation.

4. The FPS-26 Work Center was designated by First Air Force as repair facility for hydraulic Serve Valves within First Air Force.

Section II. **COMMENTARY** *(Continued)*

PART II: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Major Robert W. Zarn	Commander
Capt Michael J. Frey	C&E Officer
1st Lt Donald R. Keatley	Comm Officer
2Lt James S. Sharpe	Personnel/Admin
2Lt William H. McCarthy	Supply Officer

COMMUNITY RELATIONS

There have been several tours conducted for the Boy Scouts, College students, etc.

MORALE: A major project(Project Better Living) has been implemented after the receipt of a money allocation of ninety thousand dollars from Hq ADC. This project was designed to improve facilities in the barracks and on base for all the airmen. The project was initiated in December 1967. All of the barracks have been repainted, new furniture has been installed. Airman's lounges have been improved and new washers and dryers have been provided for all barracks. New equipment has also been provided for the dining hall and new recreational equipment for special services.

The morale at this squadron appears to be very good at the present time.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
George R. Howell, CMSgt, USAF	George R. Howell
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
ROBERT W. ZARN, Major, USAF	Robert W. Zarn

HISTORICAL RECORD

of the

773D RADAR SQUADRON

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for the period ending

30 SEPTEMBER 1968

ADC FORM JUL 64 102 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

[redacted]

Section I.	REQUIRED DATA
1. UNIT AND LOCATION 773 Radar Squadron(SAGE)Montauk, NY	2. NAME AND GRADE OF COMMANDER WALTER E. ULBRICHT, LtCol., USAF

3. CHAIN OF COMMAND (*Superior Echelons*)

773 Radar Squadron(SAGE), Montauk AFS, NY, Walter E. Ulbricht, LtCol., Commander; 35th Air Division, Hancock Field, NY, Brigadier General Isaacson, Commander; 1st Air Force, Stewart AFB, NY, Major General Dickman, Commander; Hq NORAD, Colorado Springs, General Reeves, Commander; Hq USAF, Washington, D. C., General McConnell, Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (*Down to and including squadrons*)

NONE

5. MISSION (*Give authority and brief statement of primary mission*)

To provide the Air Defense Direction Center at 35th Air Division with the highest quality surveillance data, including height determination, flight size and identity Friend from Friend/Selective Identification Feature(IFF/SIFO) of air traffic under Mode I and operations within the capabilities of its ground environment. To provide 35th Air Division Direction Center with the highest quality UHF voice and data link communications under Mode I operations. Provide 35th NORAD Control Center with the highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	154	38	197
ASSIGNED	5	153	36	194

7. EQUIPMENT (*Give official nomenclature and quantity of mission-type equipment*)

1. AN/FPS-6
2. AN/FPS-26
3. AN/FST-1
4. AN/FST-2
5. OA-940A/GPX-7A
6. AN/FPS-35
7. AN/FRT-49
8. AN/GKA-5
9. TD-285 Multiplex Unit
10. AN/GSC-7
11. AN/GRC-27(2)
12. AN/GRT-3 (26)
13. AN/GRR-7 (26)
14. GPA 126 (5)
15. AN/UPX-14
16. GPA-127 (2)
17. KW-7

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Radar Squadron Operations Section during the period 1 July 1968 through 30 September 1968:

a.	Fair Play 68	22-25 July 68
b.	Fertile Echo 69-3	3 Aug 68
c.	Top Rung 69-1-E	7-8 Aug 68
d.	Fertile Echo 69-4	28 Aug 68
e.	Famous Hunt 69-1	4-5 Sep 68
f.	Fertile Dance 69-1-C	10-12 Sep 68
g.	Fertile Echo 69-10	18 Sep 68

There were no difficulties encountered during any of these missions

EQUIPMENT PERFORMANCE

a. Diesel Plant - The #2 unit generator windings were repaired by factory representatives from Electric Products Co., Cleveland, Ohio. #4 unit turbocharger was replaced by plant personnel.

b. Radar Equipment - The following IRAN and PRE-IRANS were conducted:

(1) AN/FPS-26 pre-mechanical IRAN - 13 Aug to 15 Aug 68

(2) AN/FPS-6 pre-mechanical IRAN - 19 Aug to 23 Aug 68

(3) AN/FPS-35 mechanical IRAN - 16 Sep to 23 Sep 68

STAFF VISITS

1. A staff visit was conducted 8 thru 16 July 1968 by the 1st Air Force Engineering Team (Utilities Division). Purpose of visit was to investigate and repair faulty electrical supply to the T-2 building.

2. On 23 July 1968, members of an inspection team from ADC conducted an inspection of Civil Engineering facilities.

3. The following tech assistance visits and staff assistance visits were conducted during July 1968.

a. GEELA tech assist, UPX 14, 26 July-2 Aug 68.

b. 35th Air Div tech assistance UPX-14, 26 July-2 Aug 68.

3. On 30 July 1968, the ADC Management Team from Stewart AFB, N. Y. arrived this station for a period of 30 days to conduct a study on the radar facilities.

4. On 23 August 1968, General Joseph L. Dickman, Commander, 1st AF, visited the station.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.).

If necessary to facilitate typing, separate by tearing along fol reassemble securely by stapling in upper left-hand corner.

SECTION II (continued)

PERSONNEL - Lt Col Walter E. Ulbricht, was assigned as Commander of the 773 Radar Squadron, Montauk, New York, on 19 August 1968. Major Paul A. Abolila was assigned to the Squadron in August 1968, as the C-E-M Maintenance Supervisor.

SUPPLY PROBLEMS

One of the major supply problems during this reporting period was a relatively high NORS rate due to GATR Site malfunctions.

RECREATIONAL FACILITIES

In August 1968, four Apache Camper trailers were made available for use of Military personnel and dependents. The Campsite, called Island's End Campsite, is located at Montauk Point, N. Y.

Section II. **COMMENTARY** *(Continued)*

PART II: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale, (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Lt Col Walter E. Ulbricht	Commander
Major Paul A. Abolila	C&E Officer
1st Lt Donald R. Keatley	Comm Officer
1st Lt James S. Sharpe	Personnel/Admin
2Lt William H. McCarthy	Supply Officer

The following personnel received Air Force Commendation Medals during this reporting period:

MSgt Frederick R. Aschert
SSgt Samuel Mollise
SSgt Leslie Davis

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian)	SIGNATURE
CMSgt George R. Howell USAF	George R Howell
APPROVED BY (Typed name and grade of Commander)	SIGNATURE
Walter E. Ulbricht, Lt Col, USAF	Walter E Ulbricht

HISTORICAL RECORD

of the

773D RADAR SQUADRON

for the period ending

31 DECEMBER 1968

ADC FORM JUL 66 102 REPLACES ADC FORM 102, FEB 64, WHICH WILL BE USED UNTIL STOCKS ARE EXHAUSTED. MAY 58 EDITION IS OBSOLETE.

Section I. REQUIRED DATA

1. UNIT AND LOCATION	2. NAME AND GRADE OF COMMANDER
773 Radar Squadron(SAGE) Montauk NY	WALTER E ULBRICHT, Lt Col, USAF

3. CHAIN OF COMMAND *(Superior Echelons)*

773 Radar Squadron(SAGE) Montauk AFS, N.Y., Walter E. Ulbricht, Lt Col, Commander; 35th Air Division, Hancock Field, N.Y., Brigadier General Isaacson, Commander; 1st Air Force, Stewart AFB, N.Y., Major General Dickman, Commander; Hq NORAD, Colorado Springs, General Reeves, Commander; Hq USAF, Washington, D.C., General McConnell, Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE

5. MISSION *(Give authority and brief statement of primary mission)*

To provide the Air Defense Direction Center at 35th Air Division with the highest quality surveillance data, including height determination, flight size and identity, Friend from Friend/Selective Identification Feature(IFF/SIFO) of air traffic under Mode I and operations within the capabilities of its ground environment. To provide 35th Air Division Direction Center with the highest quality UHF voice and data link communications under Mode I operations. Provide 35th NORAD Control Center with the highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	156	36	197
ASSIGNED	5	124	34	163

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-26
3. AN/FST-2
4. AN/FPS-35
5. AN/FRT-49
6. AN/GKA-5
7. TD-285 Multiplex Unit
8. AN/GSC-7
9. AN/GRC-27(2)
10. AN/GRT-3(26)
11. AN/GRR-7(26)
12. AN/UPX-14
13. GPA-127(5)
14. KW-7
15. APX-25(2)

If necessary to facilitate typing, separate by tearing along fold and reassemble securely by stapling in upper left-hand corner.

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance; (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Radar Squadron Operations Section during the period 1 Oct 1968 through 31 December 1968:

a.	Fertile Echo 69-6(1AF TAC Eval) (Broken Arrow), NAPE)	3 Oct 68
b.	Snowtime 69-1-E	9-10 Oct 68
c.	Fair Play High Heels 68-C	17-25 Oct 68
d.	SAGA 19-68	28-30 Oct 68
e.	Fertile Echo 69-8	5 Nov 68
f.	Feature Dance 69-1-C	22 Nov 68
g.	Apache Brave 69-1	7 Dec 68

There were no difficulties encountered during any of these missions.

Personnel Gains: 2

Personnel Losses: 3

Projected Gains: None

Projected Losses: 4

EQUIPMENT PERFORMANCE

a. Diesel Plant : On Unit #1, replaced pump end of camshaft. Welded water jumpers on block. On Unit #2, replaced control box for governor.

b. The following IRANS were conducted:

(1) AN/FPS-26, contract painting and reconditioning of air supported radome 6-8 Nov 1968.

(2) ALRI and GATR Site, 1AF Antenna team 8 Nov 1968.

(3) AN/FPS-6, Emergency antenna DLM 27-30 Nov 68.

c. The following Staff Assistance Visits were conducted during this reporting period: 35th Air Division Staff Assistance Visit 2-5 Dec 1968. On 21 Nov 68, personnel from 1AF Civil Engineers visited this station to inspect our air conditioners and main heating plant. On 10 Dec 1968, personnel from the Civil Engineers Office at Suffolk visited this site for the purpose of initiating new maintenance management procedures for all real property on this site. On 5 Dec 68, a C&E Maintenance Staff Visit was conducted by personnel from 35th Air Division.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

Section II, Part A, continued

RECREATIONAL FACILITIES

Civil Engineering personnel from Montauk completed all utility requirements for our Campsite(Island's End), on a self-help basis. This facility is available to all military personnel and dependents.

A new ceramic hobby shop was opened for all personnel. Much of the project was completed on a self-help basis. Utilization of this facility has exceeded all expectations.

New movie theater equipment has been installed. Movies are now being shown three days a week. This facility is now on a trial basis.

Project Better Living program for this site is almost complete. New dormitory furniture, dining hall equipment, special services equipment and day room furniture has been received and installed. Numerous self-help projects have been completed.

Section II. **COMMENTARY** *(Continued)*

PART B: This part should include a list of key personnel and information on: (1) community relations; (2) awards and decorations; (3) morale, (4) any other subjects the commander may wish to include.

KEY PERSONNEL

Lt Col Walter E. Ulbricht	Commander
Major Paul A. Abolila	C&E Maint Supvr
1st Lt Donald R. Keatley	Comm Officer
1st Lt James S. Sharpe	Personnel/Admin
2Lt William H. McCarthy	Supply Officer

The following personnel received Air Force Commendation Medals during this reporting period:

MSGT Marshall S. McCormick
A1C Warren E. Lewis

Lt Col Walter E. Ulbricht received the Joint Service Award, presented to him by Brigadier General Isaacson, Commander, 35th Air Division.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian)	SIGNATURE
George R. Howell, CMSgt, USAF	George R. Howell
APPROVED BY (Typed name and grade of Commander)	SIGNATURE
Walter E. Ulbricht, Lt Col, USAF	Walter E. Ulbricht

RCS: AU-D5

HISTORICAL RECORD

of the

773D RADAR SQUADRON

for the period ending

31 MARCH 1969

ADC FORM NO. 68 102 JUL 66 EDITION WILL BE USED UNTIL STOCK IS EXHAUSTED

7- 3674-65

Section I. REQUIRED DATA

1. UNIT AND LOCATION

773 Radar Squadron(SAGE) Montauk NY

2. NAME AND GRADE OF COMMANDER

WALTER E. ULBRICHT, Lt Col, USAF

3. CHAIN OF COMMAND (*Superior Echelons*)

773 Radar Squadron(SAGE) Montauk AFS, N.Y., Walter E. Ulbricht, Lt Col, Commander; 35th Air Div, Hancock Field, NY, Brigadier General Isaacson, Commander; 1st Air Force, Stewart AFB, NY, Major General Dickman, Commander; Hq NORAD, Colorado Springs, General Reeves, Commander; Hq USAF, Washington, D.C., General McConnell, Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (*Down to and including squadrons*)

NONE

5. MISSION (*Give authority and brief statement of primary mission*)

To provide the Air Defense Direction Center at 35th Air Division with the highest quality surveillance data, including height determination, flight size and identity, Friend from Friend/Selective Identification Feature(IFF/SIFO) of air traffic under Mode I and operations within the capabilities of its ground environment. To provide 35th Air Division Direction Center with the highest quality UHF voice and data link communications under Mode I operations. Provide 35th NORAD Contr l Center withthe highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	138	36	179
ASSIGNED	5	129	34	168

7. EQUIPMENT (*Give official nomenclature and quantity of mission-type equipment*)

1. AN/FPS-6
2. AN/FPS-26
3. AN/FST-2
4. AN/FPS-35
5. AN/FRT-49
6. AN/GKA-5
7. GPA-98A
8. AN/GSC-7
9. AN/GRC-27(2)
10. AN/GRT-3(26)
11. AN/GRR-7(26(
12. AN/UPX-14
13. GPA-127(5)
14. KW-7
15. APX-25(2)

Section II. **COMMENTARY**

(See ADC Supplement 1 to AFR 210-3 for additional guidance)

PART A. This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes in primary equipment such as radars, aircraft, etc.; (3) equipment performance, (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance.

OPERATIONS AND TRAINING

The following exercises were participated in by the 773D Radar Squadron Operations Section during the period 1 January through 31 March 1969.

a. Fertile Knife 69-26	9 Jan 1969
b. Fair Play 69 Part I	24 Jan 1969
c. Fertile Dance 69-2	28 Jan 69
d. Fabric Dance 69-1	12 Feb 69
e. Apache Hunt 69-1	18-20 Feb 69
f. Apache Arrow 69-1	4-7 Mar 69
g. Fertile Feather 69-14	12 Mar 69

There were no difficulties encountered during any of these missions.

PERSONNEL GAINS - 1

PERSONNEL LOSSES - 5

PROJECTED GAINS - 3

PROJECTED LOSSES - 3

STAFF VISITS - COMMUNICATIONS/ELECTRONICS - A Special Quality Control Inspection was conducted by 35th Air Div(35MGE-Q) 14-18 Feb 69.

CHANGES IN PRIMARY EQUIPMENT - (1) AN/GPA-98A installed 6 Feb 69. (2) APX-25 installed 25 Feb 69. (3) AN/FPS-14 deactivated 1 Apr 68.

EQUIPMENT PERFORMANCE - (1) Iran performed on gear reduction units and drive motors on FPS-35, 18 Feb 69. (2) Iran performed on FPS-26, 3 Mar 69. (3) Safety modification TCTO 1P6-2FPS-35-670, completed on FPS-35, 29 Jan 69.

If necessary to facilitate typing, separate by tearing along fold and reassemble securely by stapling in upper left-hand corner.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

Section II. **COMMENTARY** *(Continued)*

PART II: This part should include a list of key personnel and information on: (1) community relations, (2) awards and decorations; (3) morale; (4) any other subjects the commander may wish to include.

KEY PERSONNEL -

Lt Col Walter E. Ulbricht	Commander
Major Paul A. Abolila	CEM Main t Supervisor
1st Lt Donald R. Keatley	Comm Officer
1st Lt James S. Sharpe	Personnel/Admin
2Lt William H. McCarthy	Supply Officer

COMMUNITY RELATIONS

The Squadron participated in the St Patricks Day Parade in the Village of Montauk, on 16 March 1969.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)* Donald R. Keatley, 1st Lt, USAF	SIGNATURE Donald R. Keatley
APPROVED BY *(Typed name and grade of Commander)* Walter E. Ulbricht, Lt Col, USAF	SIGNATURE Walter E Ulbricht

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HISTORICAL RECORD

of the

773 RADAR SQUADRON (SAGE)

for the period ending

31 DECEMBER 1969

7-4284-39

1. REQUIRED DATA

1. UNIT AND LOCATION

773 Radar Squadron (SAGE) Montauk, NY

2. NAME AND GRADE OF COMMANDER

JAMES F CLARK, Captain

3. CHAIN OF COMMAND (*Superior echelons*)

773 Radar Squadron (SAGE) Montauk AFS, NY, JAMES F CLARK, Captain
Commander; 21 Air Division, Hancock Field, NY, GEORGE V WILLIAMS, Major General
Commander; Hq NORAD, Colorado Springs, CO, RAYMOND J REEVES, General
Commander, Hq USAF, Washington, DC , JOHN D RYAN, General
Secretary of the Air Force, ROBERT C SEAMANS, JR
President of the United States, RICHARD M NIXON.

4. SUBORDINATE UNITS (*Down to and including squadrons*)

NONE.

5. MISSION (*Give authority and brief statement of primary mission*)

To equip, administer, and train all assigned personnel in order to provide surveillance data, height determination, MARK X, IFF/SIF data, and accomplishing radar mapping prior to transmittal of such data to the Air Defense Direction Center at 21st Air Division.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	131	35	171
ASSIGNED	6	140	33	179

7. EQUIPMENT (*Give official nomenclature and quantity of assigned type equipment*)

1. AN/FPS-6
2. AN/FPS-26
3. AN/FST-2
4. AN/FPS-35
5. AN/GKA-5
6. AN/FRT-49
7. GPA-98A
8. AN/GSC-7 (Phased out)
9. AN/GRC-27 (2)
10. AN/GRT-3 (26)
11. AN/GRR-7 (26)
12. AN/UPX-14
13. GPA-127 (5)
14. KW-7
15. APX25 (Phased out)

II. COMMENTARY

This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes to primary equipment such as radars, aircraft, etc., (3) equipment performance, (4) facilities, (5) maintenance and supply problems, (6) personnel matters affecting the mission, (7) any other subjects bearing on mission performance. See ADC Supplement 1 to AFR 210-3 for additional guidance.

OPERATIONS AND TRAINING

The 773d Operations Section participated in the following exercises during the period 1 Oct 1969 through 31 Dec 1969:

a.	Fertile Echo 70-5	4 Oct 1969
b.	Fertile Feather	20 Oct 1969
c.	Snowtime 70-2-E	29 Oct 1969
d.	SAGA 25-69	16 Nov 1969
e.	Snowtime 70-3-C	4 Dec 1969
f.	Fertile Jewel 70-1	18 Dec 1969

There were no difficulties encountered during any of these exercises.

PERSONNEL GAINS: 4

PERSONNEL LOSSES: 2

PROJECTED PERSONNEL GAINS: 2

PROJECTED PERSONNEL LOSSES: 6

COMMUNICATIONS ELECTRONICS:

STAFF VISITS: None.

INSPECTIONS: None.

CHANGES IN PRIMARY EQUIPMENT: Due to 703 realignment, the GSC-7 and APX-25 have been closed down awaiting dismantling by GKEIA.

EQUIPMENT PERFORMANCE:

a. Mechanical IRAN, 11 Dec 1969 on FPS-35.

b. Gearbox #1 removed and replaced by IRAN Team on 11 Dec 1969.

c. TCTO 31P6-2FPS-35-691 completed on 29 Dec 1969.

KEY PERSONNEL:

Captain James F Clark, Commander
1stLt Donald R Keatley, CEM Maintenance Supervisor
1stLt William H McCarthy, Materiel Control Officer
2dLt Richard J Halsted, Assistant Ground Electronics Officer
2dLt Michael E Bartley, Personnel Officer

If more room is needed, separate by tearing along fold and reassemble secured by stapling in upper left-hand corner.

7-4284-39

II. **COMMENTARY** *(Continued)*

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
MICHAEL E BARTLEY, 2dLt	Michael E. Bartley
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
JAMES F CLARK, Captain	James F. Clark

HISTORICAL RECORD

of the

773 RADAR SQUADRON (SAGE)

---

for the period ending

31 MARCH 1970

7-4594-191

1. REQUIRED DATA

1. UNIT AND LOCATION
773 Radar Squadron (SAGE)
Montauk, NY

2. NAME AND GRADE OF COMMANDER
JAMES L. ADAMS, Captain

3. CHAIN OF COMMAND *(Superior echelons)*

773 Radar Squadron (SAGE), Montauk AFS, NY, JAMES L. ADAMS, Captain
Commander, 21 Air Division, Hancock Field, NY, GEORGE V. WILLIAMS, Major General
Commander, Hq NORAD, Colorado Springs, CO, RAYMOND J. REEVES, General
Commander, Hq USAF, Washington, DC, JOHN D. RYAN, General
Secretary of the Air Force, ROBERT C. SEAMANS, JR.
President of the United States, RICHARD M. NIXON

4. SUBORDINATE UNITS *(Down to and including squadrons)*

NONE.

5. MISSION *(Give authority and brief statement of primary mission)*

To equip, administer, and train all assigned personnel in order to provide surveillance data, height determination, MARK X, IFF/SIF data, and accomplishing radar mapping prior to transmittal of such data to the Air Defense Direction Center at 21st Air Division.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	131	35	171
ASSIGNED	6	138	32	176

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-26
3. AN/FST-2
4. AN/FPS-35
5. AN/GKA-5
6. AN/FRT-49
7. GPA-98A
8. AN/GSC-7 (Phased Out)
9. AN/GRC-27 (2)
10. AN/GRT-3 (26)
11. AN/GRR-7 (26)
12. AN/UPX-14
13. GPA-127 (5)
14. KW-7
15. APX25 (Phased Out)

II. **COMMENTARY**

This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are (1) operations and training, (2) changes to primary equipment such as radars, aircraft, etc., (3) equipment performance, (4) facilities, (5) maintenance and supply problems, (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance. See ADC Supplement I to AFR 210-3 for additional guidance.

If necessary to facilitate typing, separate by tearing along fold and reassemble securely by stapling in upper left-hand corner.

OPERATIONS AND TRAINING:

The 773d Operations section participated in the following exercises during the period 1 Jan 1970 through 31 Mar 1970:

a.	Fertile Brave 70-1	15 -- 16 Jan 70
b.	Fertile Brave 70-2	22 -- 23 Jan 70
c.	Snowtime 70-4-C	10 -- 11 Feb 70
d.	Fertile Hunt 70-1	16 -- 18 Feb 70
e.	Fair Play 70-1	24 -- 27 Mar 70
f.	Amalgum Mute 70-2-E	2 -- 7 Mar 70
g.	Fancy Hunt 70-1	23 -- 25 Mar 70

No difficulties were encountered during these exercises.

PERSONNEL GAINS: 5
PERSONNEL LOSSES: 4
PROJECTED PERSONNEL GAINS: 2
PROJECTED PERSONNEL LOSSES: 3
Personnel from the 21AD Ground Environment Section conducted a staff assistance visit during the period 2 -- 6 Mar 70; the results of their visit were satisfactory.

COMMUNICATIONS - ELECTRONICS

STAFF VISITS: A 21AD MAST visit was conducted during the week of 19 Jan 70.

INSPECTIONS: None.

CHANGES IN PRIMARY EQUIPMENT: None

EQUIPMENT PERFORMANCE:

a. SIF Antenna and rigid coax transmission line replaced by GEEIA on the AN/FPS-35. Date accomplished: 1 Feb 70.

b. Removal and replacement of rotary coupler and flexible waveguide by GEEIA. Date accomplished: 3 Feb 70.

c. Pre-IRAN on FPS-26. Date accomplished: 9 Feb 70.

d. Emergency alignment of rotary coupler by GEEIA. Date accomplished: 28 Feb 70.

e. TCTO 31P3-2FPS-6-623 effecting complete RF plumbing change. Completed: 11 Jan 70.

KEY PERSONNEL

Lt Col Walter E. Ulbricht	Commander
Major Paul A. Abolila	CEM Maintenance Supervisor
1st Lt Donald R. Keatley	Communications Officer
1st Lt William H. McCarthy	Supply Officer

COMMUNITY RELATIONS

1. Squadron Dining In held 23 May 1969. Several distinguished local civilians were in attendance.

2. Unit has hosted several boy scouts on campouts on Montauk AFS, during this reporting period.

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian)	SIGNATURE
DONALD R. KEATLEY, 1st Lt, USAF Historical Officer	Donald R. Keatley
APPROVED BY (Typed name and grade of Commander)	SIGNATURE
WALTER E ULBRICHT, Lt Col, USAF Commander	Walter E Ulbricht

HISTORICAL RECORD

of the

773D RADAR SQUADRON(SAGE)

for the period ending

30 JUNE 1969

I. REQUIRED DATA

1. UNIT AND LOCATION

773 Radar Squadron (SAGE) Montauk, NY

2. NAME AND GRADE OF COMMANDER

WALTER E. ULBRICHT, Lt Col, USAF

3. CHAIN OF COMMAND (*Superior echelons*)

773 Radar Squadron(SAGE) Montauk AFS, N. Y., Walter E. Ulbricht, Lt Col, Commander; 35th Air Div, Hancock Field, N. Y., Colonel Jack Gamble , Commander; 1st Air Force, Stewart AFB, N. Y., Major General Dickman, Commander; Hq NORAD, Colorado Springs, General Reeves, Commander; Hq USAF, Washington, D. C., General McConnell, Secretary of the Air Force; President of the United States.

4. SUBORDINATE UNITS (*Down to and including squadrons*)

NONE

5. MISSION (*Give authority and brief statement of primary mission*)

To provide the Air Defense Direction Center at 35th Air Division with the highest quality surveillance data, including height determination, flight size and identity, Friend from Friend/Selective Identification Feature(IFF/SIFO) of air Traffic under Mode I and operations within the capabilities of its ground environment. To provide 35th Air Division Direction Center with the highest quality UHF voice and data link communications under Mode I operations. Provide 35th NORAD control center with the highest quality surveillance data, including height determination and UHF voice and data link communications under Mode III operations.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	138	36	179
ASSIGNED	5	129	32	166

7. EQUIPMENT (*Give official nomenclature and quantity of mission-type equipment*)

1. AN/FPS-6
2. AN/FPS-26
3. AN/FST-2
4. AN/FPS-35
5. AN/FRT-49
6. AN/GKA-5
7. GPA-98A
8. AN/GSC-7
9. AN/GRC-27(2)
10. AN/GRT-3(26)
11. AN/GRR-7(26)
12. AN/UPX-14
13. GPA-127(5)
14. KW-7
15. APX-25(2)

II. **COMMENTARY**

This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes to primary equipment such as radars, aircraft, etc., (3) equipment performance, (4) facilities, (5) maintenance and supply problems, (6) personnel matters affecting the mission, (7) any other subjects bearing on mission performance. See ADC Supplement 1 to AFR 210-3 for additional guidance.

If necessary to facilitate typing, separate by tearing along fold and reassemble securely by stapling in upper left-hand corner.

OPERATIONS AND TRAINING

The 773D Operations Section participated in the following exercises during the period 1 April through 30 June 1969.

a.	Fertile Echo 69-16	9 Apr 1969
b.	Fertile Echo 69-15	24 Apr 1969
c.	Fair Play 69, Part II	21-25 Apr 1969
d.	Apache Brave 69-4	29 Apr - 2 May 1969
e.	Apache Indian 69-1	19 May 1969
f.	Fertile Echo 69-17	24 May 1969
g.	Feline Hunt 69-1	3-4 June 1969
h.	Fertile Echo 69-18	12-13 June 1969

There were no significant problems encountered during any of these exercises.

PERSONNEL GAINS - 1 14 April 1969

PERSONNEL LOSSES - 6

PROJECTED GAINS - 11

PERSONNEL PROJECTED LOSSES - None

COMMUNICATIONS-ELECTRONICS

STAFF VISITS: None

INSPECTIONS: First Air Force General Inspection, 22-25 April 1969. Satisfactory.

CHANGES IN PRIMARY EQUIPMENT - Site Survey was conducted 15-16 July 1969 for initial planning of AN/FYQ-47. This Common Digitizer is programmed for fourth quarter FY 70.

EQUIPMENT PERFORMANCE - The following IRANS were performed during this reporting period:

a. Emergency repair of upper pin joint and rear pin on rear outrigger. Installation of SMAMA modification FO4606 69 C 1227, 29 May 1969.

b. OMNI antenna removed and sent to Sperry Gyroscope for control repair 6 June 1969.

c. IRAN on GATR site antennas 18 June 1969.

d. Air supported radome on FPS-6 repainted 20 June 1969.

e. IRAN performed on FPS-35 3 July 1969.

II. **COMMENTARY** *(Continued)*

KEY PERSONNEL

Captain James L. Adams, Commander
Captain Donald R. Keatley, Assistant Ground Electronics Officer
Captain James F. Clark, CEM Maintenance Supervisor
1stLt Richard J. Halsted, Assistant Ground Electronics Officer
2dLt Michael E. Bartley, Personnel Officer
2dLt Gary N. Welschenbach, Supply Officer

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY (Typed name and grade of Historian)	SIGNATURE
MICHAEL E. BARTLEY, 2dLt	Michael E. Bartley
APPROVED BY (Typed name and grade of Commander)	SIGNATURE
JAMES L. ADAMS, Captain	James L. Adams Jr.

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

30 JUNE 1970

7-4684-74

I. REQUIRED DATA

1. UNIT AND LOCATION
773 Radar Squadron (SAGE)
Montauk, New York 11954

2. NAME AND GRADE OF COMMANDER
JAMES L. ADAMS
Captain

3. CHAIN OF COMMAND *(Superior echelons)*
773 Radar Squadron (SAGE), Montauk AFS, NY, JAMES L. ADAMS, Captain
Commander, 21 Air Division, Hancock Field, NY, GEORGE V. WILLIAMS, Major General
Commander, ADC, Ent AFB, Colorado, THOMAS K. MC GEHEE, Lt General
Commander, Hq NORAD, Colorado Springs, Colorado, RAYMOND J. REEVES, General
Commander, Hq USAF, Washington, DC, JOHN D. RYAN, General
Secretary of the Air Force, ROBERT C. SEAMANS Jr.
President of the United States, RICHARD M. NIXON

4. SUBORDINATE UNITS *(Down to and including squadrons)*
None.

5. MISSION *(Give authority and brief statement of primary mission)*
To equip, administer, and train all assigned personnel in order to provide surveillance data, height determination, MARK X, IFF/SIF data, and accomplishing radar mapping prior to transmittal of such data to the Air Defense Direction Center at 21st Air Division.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	131	33	169
ASSIGNED	6	141	32	179

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*
1. AN/FPS-6
2. AN/FPS-26
3. AN/FST-2
4. AN/FPS-35
5. AN/GKA-5
6. AN/FRT-49
7. GPA-98A
8. AN/GSC-7 (Phased Out)
9. AN/GRC-27 (2)
10. AN/GRT-3 (26)
11. AN/GRR-7 (26)
12. AN/UPX-14
13. GPA-127 (5)
14. KW-7
15. APX25 (Phased Out)

II. **COMMENTARY**

This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are (1) operations and training, (2) changes to primary equipment such as radars, aircraft, etc.; (3) equipment performance, (4) facilities, (5) maintenance and supply problems, (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance. See ADC Supplement I to AFR 210-3 for additional guidance.

OPERATIONS AND TRAINING:

The 773d Operations section participated in the following exercises during the period 1 April 1970 through 30 June 1970:

a. Fertile Brave 70-3	17 April 1970
b. Fair Play 70-2	23 April 1970
c. Fertile Brave 70-4	1 May 1970
d. Fertile Brave 70-5	21 May 1970
e. Fertile Brave 70-6	11 June 1970

No difficulties were encountered during these exercises.

PERSONNEL GAINS: 2
PERSONNEL LOSSES: 4
PROJECTED PERSONNEL GAINS: 2
PROJECTED PERSONNEL LOSSES: 6

COMMUNICATIONS - ELECTRONICS:

STAFF VISITS: 21AD Maintenance Assistance Visit was conducted on 7 - 11 April 1970.

INSPECTIONS: None

CHANGES IN PRIMARY EQUIPMENT: None

EQUIPMENT PERFORMANCE:

a. On 9 Apr 70, 2861 GEEIA replaced azimuth drive assembly on the AN/FPS-6 radar.

b. On 6 May 70, a mechanical and electrical IRAN was completed by 2861st GEEIA.

c. On 15 May 70, the installation of the new AN/FYQ-47 Common Digitizer began.

If necessary to facilitate typing, separate by tearing along fold and reassemble securely by stapling in upper left-hand corner.

KEY PERSONNEL:

Captain James L. Adams, Commander
Captain James F. Clark, CEM Maintenance Supervisor
Captain Donald R. Keatley, Assistant Ground Electronics Officer
1st Lt Richard J. Halsted, Assistant Ground Electronics Officer
2nd Lt Michael E. Bartley, Personnel Officer
2nd Lt Gary N. Welschenbach, Supply Officer

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
MICHAEL E. BARTLEY, 2nd Lt	Michael E. Bartley
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
JAMES L. ADAMS, Capt	James L. Adams

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Maxwell AFB, Alabama 36112

HISTORICAL RECORD

of the

773D RADAR SQUADRON (SAGE)

for the period ending

30 SEPTEMBER 1970

8-1096-47

I. REQUIRED DATA

1. UNIT AND LOCATION
773 Radar Squadron (SAGE)
Montauk, New York 11954

2. NAME AND GRADE OF COMMANDER
JAMES L. ADAMS
Major

3. CHAIN OF COMMAND *(Superior echelons)*
773 Radar Squadron(SAGE), Montauk AFS, N Y, JAMES L. ADAMS, Major
Commander, 21 Air Division, Hancock Field, N Y, GEORGE V. WILLIAMS, Major General
Commander, ADC, Ent AFB, Colorado, THOMAS K. MC GEHEE, Lt GENERAL
Commander, Hq NORAD, Colorado Springs, Colorado, RAYMOND J. REEVES, General
Commander, Hq USAF, Washington, D C, JOHN D. RYAN, General
Secretary of the Air Force, ROBERT C. SEAMANS Jr.
President of the United States, RICHARD M. MIXON

4. SUBORDINATE UNITS *(Down to and including squadrons)*
None

5. MISSION *(Give authority and brief statement of primary mission)*
To equip, administer, and train all assigned personnel in order to provide surveillance data, height determination, MARK X, IFF/SIF data, and accomplishing radar mapping prior to transmittal of such data to the Air Defense Direction Center at 21st Air Division.

6. PERSONNEL

	OFFICERS	AIRMEN	CIVILIANS	TOTAL
AUTHORIZED	5	132	32	169
ASSIGNED	6	135	31	171

7. EQUIPMENT *(Give official nomenclature and quantity of mission-type equipment)*

1. AN/FPS-6
2. AN/FPS-26
3. AN/FST-2
4. AN/FPS-35
5. AN/GKA-5
6. AN/FRT-49
7. GPA-98A
8. AN/GSC-7 (Phased Out)
9. AN/GRC-27(2)
10. AN/GRT-3 (26)
11. AN/GRR-7 (26)
12. AN/UPX-14
13. GPA-127 (5)
14. KW-7
15. APX25 (Phased Out)

II. **COMMENTARY**

This part should contain significant information relating to your unit's mission performance. Some basic subjects to include are: (1) operations and training, (2) changes to primary equipment such as radars, aircraft, etc.; (3) equipment performance, (4) facilities; (5) maintenance and supply problems; (6) personnel matters affecting the mission; (7) any other subjects bearing on mission performance. See ADC Supplement I to AFR 210-3 for additional guidance.

If necessary to facilitate typing, separate by tearing along fold and reassemble securely by stapling in upper left-hand corner.

OPERATIONS AND TRAINING

The 773d Operations section participated in the following exercises during the period 1 July 1970 through 30 September 1970:

a.	Fair Play 70-3	18-25 July 1970
b.	Fertile Brave 71-1	27-29 July 1970
c.	Snowtime 71-2E	4-5 August 1970
d.	Felix Hunt 70-2	1-2 September 1970
e.	Fertile Brave 71-2	16-18 September 1970
f.	Snowtime 71-2E	29-30 September 1970

No difficulties were encountered during these exercises.

PERSONNEL GAINS: 2
PERSONNEL LOSSES: 8
PROJECTED PERSONNEL GAINS: 7
PROJECTED PERSONNEL LOSSES: 1

COMMUNICATIONS - ELECTRONICS:

STAFF VISITS: Lt Col Zehler, Director Comm/Electronics (21DOK) was given an orientation tour on 9 September 1970.

INSPECTIONS: None

CHANGES IN PRIMARY EQUIPMENT: None

EQUIPMENT PERFORMANCE:

a. 6 July 1970, FPS-35 Pre-IRAN completed by 1829 E&I.

b. 3 August 1970, 1829 E&I replaced #2 gearbox on FPS-35.

c. 14 September 1970, 1829 E&I completed Pre-IRAN of AN/FRT-49.

d. 14 September 1970, 1829 E&I completed Pre-IRAN of AN/GKA-5.

e. 28 September 1970, TCTO 31P6-2FPS35-689, construction of feed horn cat walk on AN/FPS-35 completed by 1829 E&I.

f. 30 September 1970, AN/FPS-26 Tower exterior painting by civilian contractor completed.

11. **COMMENTARY** *(Continued)*

Major James L. Adams, Commander
Captain James F. Clark, C-E-M Maintenance Supervisor
Captain Donald R. Keatley, Assistant Ground Electronics Officer
1Lt Richard J. Halsted, Assistant Ground Electronics Officer
2nd Lt Michael E. Bartley, Personnel Officer
2nd Lt Gary N. Welschenbach, Supply Officer

(If more space is needed, continue on blank sheets, size 8 x 10½, numbered and securely attached hereto.)

PREPARED BY *(Typed name and grade of Historian)*	SIGNATURE
MICHAEL E. BARTLEY, 2ndLt	Michael E. Bartley
APPROVED BY *(Typed name and grade of Commander)*	SIGNATURE
JAMES L. ADAMS, Major	James L. Adams